LABELLA Associates, D.P.C.
Engineering
Architecture
Environmental
Planning

# Phase II
# Environmental Site Assessment

Location:

1660 Niagara Street
Buffalo, New York

Prepared for:

Buffalo Niagara RIVERKEEPER
Mr. Matt Mattison
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Buffalo, New York 14203

And

Buffalo Niagara River Land Trust

And

BNRLT 1660 Niagara, LLC

LaBella Project No. 2151177

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# 1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) was retained to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 1660 Niagara Street, City of Buffalo, Erie County, New York, hereinafter referred to as the "Site" (see Figure 1). This Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11.

## *1.1 Limitations & Exceptions*

Work associated with this Phase II ESA was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

In addition, LaBella cannot provide guarantees, certifications or warranties that the Site is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

## *1.2 Reliance*

Buffalo Niagara RIVERKEEPER may rely upon the findings of this report and should be aware of the agreed upon scope of work and the limitations associated with this Scope of Work.

## *1.3 New York State Department of Environmental Conservation Spill*

Based on field evidence of petroleum impact encountered within the scope of this assessment, the New York State Department of Environmental Conservation (NYSDEC) was notified and spill # 1508546 was assigned to the Site.

# 2.0 BACKGROUND

## *2.1 Site Description & Features*

The Site comprises approximately 0.4 acres of land and is currently bordered by Scajaquada Creek to the southwest and Niagara Street to the northeast. The Site is currently undeveloped; however, is overlain with several concrete pads associated with historical structures and paved areas.

## *2.2 Physical Setting*

The Site is located at 1660 Niagara Street, City of Buffalo, Erie County, New York, within a predominantly urban area.

### *2.3 Adjacent Property Use*

The Site is bordered by the following properties:

| Direction | Land Use |
|---|---|
| **North** | Novelty Shop |
| **South** | Fallow land and a small transformer station followed by railroad tracks |
| **East beyond Niagara Street** | Various commercial/retail operations |
| **West** | Scajaquada Creek |

### *2.4 Summary of Previous Studies*

Based on the review of a Phase I ESA dated May 2011 and a walkthrough conducted at the Site by LaBella personnel on June 4, 2015, the following environmental concerns were identified associated with the Site.

- Historical use of the Site included retail gasoline sales, boat sales, vehicle repair, and a collision shop.
- Permits were identified relative to the installation of as many as four 1,500-gallon gasoline tanks and two 1,000-gallon gasoline underground storage tanks (USTs) at 1684 Niagara Street in 1941.
- Permits were identified relative to the installation of one 1,000-gallon UST in 1961 and one 1,000-gallon UST in 1963 at 1700 Niagara Street. It should be noted that the current northwest adjacent property is legally addressed as 1700 Niagara Street. However, based on review of historical records, 1700 Niagara Street appears to have been historically associated with the northwest portion of the Site.
- One in-ground hydraulic lift was located within a Site Building.
- Two suspect vent pipes were located within the central portion (two bays proximate the in-ground hydraulic lift) of a Site Building on the interior of the northeast exterior wall. The vent pipes protruded from the interior floor of the Site Building and extended through the roof. The nature of the vent pipes was not confirmed; however, there is the potential for such to have been associated with UST systems.
- Properties adjacent to the Site were historically utilized for various industrial and manufacturing operations.

## 3.0 OBJECTIVE

It is LaBella's understanding that the Site has been identified as a key project by Buffalo Niagara RIVERKEEPER and Buffalo Niagara River Land Trust (BNRLT). The Site was acquired by the BNRLT through its limited liability corporation, BNRLT 1660 Niagara, LLC in 2014 and is planned to be redeveloped as a publically accessible micro-park featuring a canoe/kayak launch. LaBella was retained by the Buffalo Niagara RIVERKEEPER, BNRLT, and the 1660 Niagara Technical Advisory Committee (collectively hereafter the "Client") to assess the environmental conditions at the Site due to the environmental concerns described in Section 2.4, and evaluate potential remedial options at the Site should such be warranted. To achieve the project objectives the following scope of work was performed.

## 4.0 GEOPHYSICAL SURVEY

As the potential existed for USTs to be located at the Site, LaBella retained NOVA Geophysical Services (NOVA) to perform a nonintrusive subsurface survey using a combination of ground penetrating radar (GPR) and magnetometer instruments across the accessible exterior portions of the Site. In addition, NOVA utilized utility locating equipment to screen the Site for buried utilities. A copy of the NOVA geophysical survey report is included within Appendix 2 of this report. Based on the results of the geophysical survey, six subsurface anomalies (Anomaly 1 through Anomaly 6) were identified at the Site as described in greater detail below.

Anomaly 1

Anomaly 1 was identified on the north-most portion of the Site. Such was reported by the geophysical survey to be likely associated with an UST. Although no information was obtained by Labella suggesting the presence of petroleum bulk storage systems in this location, based on historical retail gasoline sales operations completed at the Site, the location of Anomaly 1 appeared appropriate for a UST or pump island.

Anomaly 2 & 3

Anomaly 2 & 3 were identified central to the Site immediately adjacent Niagara Street and immediately north of the suspect vent pipes identified during LaBella's June 4, 2015 site reconnaissance. According to the results of the geophysical survey, the anomalies appeared consistent with two distinct USTs.

Anomaly 4 & 5

Anomaly 4 & 5 were identified as being located central to the Site and immediately south of Anomaly 2 & 3. Anomaly 4 & 5 appeared to be associated with one in-ground hydraulic lift of which above ground components were visible at the Site. Anomalous readings were also identified immediately northeast adjacent to the in-ground hydraulic lift above-ground components. Although the geophysical survey report suggested the northeast adjacent anomalous readings were consistent with an UST, the size of the anomaly appeared inconsistent with that typically associated with an UST.

Anomaly 6

Anomaly 6 was identified on the south portion of the Site located west proximate Scajaquada Creek. Such was reported by the geophysical survey to be likely associated with an UST.

## 5.0 TEST PIT INVESTIGATION

Prior to advancement of subsurface investigatory locations, a Dig Safely New York stakeout was conducted to locate subsurface utilities in the proposed areas of investigation. In addition, utility locations as reported by geophysical survey results were utilized to supplement the utility locations marked by the Dig Safely New York stakeout.

As the Site is generally overlain with concrete slabs of an unknown and potentially significant thickness associated with historical Site improvements (i.e. structures, surface parking, docks, etc.), LaBella

mobilized to the Site on November 17, 2015 and saw cut the concrete slabs in pre-determined locations to expedite subsequent test pit advancement. On November 18, 2015, LaBella remobilized to the Site and advanced eight test pits (TP-1 through TP-8) with a track-mounted excavator to investigate the source of the subsurface anomalies (Anomaly 1 through Anomaly 6) identified by the geophysical survey and generally assess the subsurface conditions at the Site.

The test pits were generally advanced to a maximum depth of ten feet below the ground surface (ft. bgs) and were continuously monitored for visible impairment, olfactory indications of impairment, and total volatile organic compounds (VOCs) using a photoionization detector (PID). A qualified scientist from LaBella supervised and documented the test pit program, and prepared logs describing the overburden stratigraphy, field measurements, and visual and olfactory observations. Evidence of impairment gathered at the time of the fieldwork was used with observed hydrogeological conditions to assist in determining the location and depth for sample collection. The test pit locations were measured relative to fixed Site features.

Upon completion of test pit activities, the excavated materials were returned to the test pits from which they originated and the backhoe bucket was utilized to compact the backfilled material. No compaction testing was performed.

The approximate test pit locations are depicted on Figure 2 within the Figures and Photographs Appendix of this report. Test pit subsurface logs are included in Appendix 2. Below is a summary of the results of the test pit field investigation.

### *5.1 Anomaly Investigation*

Test pits TP-1 through TP-4 were advanced to investigate the source of the subsurface anomalies (Anomaly 1 through Anomaly 6) identified by the geophysical survey. Below is a summary of the field investigation conducted proximate the geophysical anomalies.

Test Pit TP-1

Test Pit TP-1 was advanced proximate Anomaly 1 located on the north portion of the Site. Test Pit TP-1 was advanced to approximately six ft. bgs and encountered a layer of fill material consisting of asphalt, slag, brick, intermingled with native clay from between approximately 0.5 and four ft. bgs, overlaying apparent native clay. No evidence of petroleum bulk storage systems or ancillary piping (i.e. USTs, fill ports, vent pipes, dispenser systems) was encountered within TP-1. Furthermore, no visual, olfactory, or PID evidence of impact was encountered within soil samples screened from TP-1. Although the source of Anomaly 1 cannot be confirmed, in LaBella's experience, urban fill materials such as slag can produce positive responses when surveyed with geophysical instruments.

Test Pit TP-2

Test Pit TP-2 was advanced proximate Anomaly 2 & 3 located central to the Site immediately adjacent Niagara Street and immediately north of the suspect vent pipes identified during LaBella's June 4, 2015 site reconnaissance. The tops of two USTs (Tank A and Tank B) were encountered within TP-2 at between approximately three and four ft. bgs. Refer to Section 5.3 for additional information regarding the USTs. Test Pit 2 was advanced to approximately six ft. bgs and encountered sand and gravel backfill

to approximately four ft. bgs overlaying apparent native clay. No evidence of subsurface impact was encountered within test pit TP-2 above four ft. bgs; however, soil exhibiting petroleum-type staining, petroleum-type odors, elevated PID readings [135.6 parts per million (ppm)] were encountered from between four ft. bgs and the bottom of the test pit. It should be noted that test pit TP-2 was extended horizontally approximately 10 feet south beyond Tank B and no other UST systems were encountered. The locations of Tank A and Tank B are depicted on Figure 2 within the appendix of this report.

Test Pit TP-3

Test pit TP-3 was advanced proximate Anomaly 4 & 5 located central to the Site and immediately south of Anomaly 2 & 3 to approximately 10 ft. bgs. Generally, various fill including gravel, brick, and slag intermixed with native clay was encountered to the bottom of the test pit. The test pit excavation began proximate the visible in-ground hydraulic lift components and lift cylinder; however, once the excavation was expanded to investigate both Anomaly 4 and Anomaly 5, a second in-ground hydraulic lift cylinder as well as a vertical grease cylinder (grease cylinder) of unknown nature were encountered. Generally, the subsurface soil proximate the in-ground hydraulic lifts and the grease cylinder were dark in color and exhibited odors consistent with grease and hydraulic fluid. A maximum PID reading of 110 ppm was detected at approximately 8-10 ft. bgs. Although the nature of the grease cylinder could not be confirmed, such appeared to be of steel construction and approximately 20-inches in diameter Removal of the initial several inches of subsurface soil and fill from the grease cylinder revealed a black axle grease type material. Refer to Section 5.4 for additional information associated with the grease cylinder. The locations of the in-ground hydraulic lifts and the grease cylinder are depicted on Figure 2 within the appendix of this report.

Test Pit TP-4

Test Pit TP-4 was advanced proximate Anomaly 6 identified on the south portion of the Site located west proximate Scajaquada Creek to approximately 4.5 ft. bgs. Generally, various fill materials including slag and brick intermixed with native clay were encountered to the bottom of the test pit. Two 3-inch metal pipes filled with concrete were encountered within the test pit running in an east-west direction. In addition, one ½-inch copper pipe was also observed running north-south with the east portion of the test pit. Although the nature of the pipes could not be confirmed, the pipes appeared abandoned and utility related. No evidence of USTs was encountered within TP-4. Furthermore, no visual, olfactory, or PID evidence of impact was identified within soil samples screened from TP-4. Although the source of Anomaly 6 cannot be confirmed, in LaBella's experience, urban fill materials such as slag and abandoned utilities can produce positive responses when surveyed with geophysical instruments.

### *5.2 General Test Pit Investigation*

Test pits TP-5 through TP-8 were advanced to generally assess the subsurface conditions at the Site to a maximum depth of approximately four feet below the ground surface. Generally, various fill materials including slag and brick intermixed with native clay were encountered to the bottom of the test pits. Although the subsurface materials were typically dark in color, no field visual, olfactory, or PID evidence of impact was encountered within test pits TP-5 through TP-8.

### *5.3 Underground Storage Tanks*

It should be noted that the extent of test pit TP-2 was limited to the west by a concrete slab approximately one foot or more in thickness, to the east by Niagara Street, and to the south by additional concrete slabs. The limitations above limited excavation activities to the immediate area of Anomaly 2 and Anomaly 3, or Tank A and Tank B, respectively.

Tank A and Tank B are oriented east to west and are parallel to each other. Tank A and Tank B extend west beneath thick concrete slab and are approximately 48-inches and 64-inches in diameter respectively. Although the length of the USTs could not be confirmed, based on the diameter of the USTs, LaBella suspects that Tank A and Tank B are 1,000-gallons and 2,000-gallons in volume respectively. In addition, three 1-inch steel pipes were located within the west sidewall of test pit TP-2 and traveled north to south at an elevation immediately above Tank A and Tank B. The three 1-inch steel pipes do appear consistent with pipes typically associated petroleum bulk storage systems; however, their nature could not be confirmed. Test pit TP-1 was advanced horizontally approximately 10 feet south of Tank B and no other UST systems were encountered. Both Tank A and Tank B appeared to contain a gasoline-water mixture. The locations of Tank A and Tank B are depicted on Figure 2 within the appendix of this report.

#### *5.3.1 Underground Storage Tank Content Analysis*

At the request of the NYSDEC, the contents of Tank A and Tank B were collected on November 18, 2015 and submitted for laboratory analysis and sent under Chain of Custody procedures to Test America for hydrocarbon identification analysis using New York State Department of Health (NYSDOH) Method 310.13. Based on the results of the laboratory analysis, the contents of the USTs were confirmed to contain gasoline. No other petroleum products were detected within the UST content samples submitted. A copy of the laboratory report is included within Appendix 3 of this report.

#### *5.3.2 Underground Storage Tank Content Disposal*

On November 20, 2015, LaBella coordinated the removal of and proper disposal of approximately 857-gallons of a gasoline-water mixture from the USTs. A copy of the waste manifest is included in Appendix 2 of this report. The top of the USTs were covered with plastic and Test Pit TP-2 was backfilled.

### *5.4 Vertical Grease Cylinder Sampling*

As the Site is intended for redevelopment and the contents of the grease cylinder will likely require removal and proper disposal, LaBella collected one sample of the black axle grease type material from the grease cylinder for waste characterization laboratory analysis on November 18, 2015. The waste characterization sample was submitted under Chain of Custody procedures to Chemtech for Total Petroleum Hydrocarbons (TPH), Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCPL semi-volatile organic compounds, polychlorinated biphenyl's (PCBs), TCLP Resource Conservation and Recovery Act (RCRA) metals, flashpoint, and pH. Based on the results of the laboratory analysis, lead was detected at a concentration of concentration of 32,600 micrograms per liter (µg/l), which classifies the black axle grease type material as a hazardous waste. A copy of the laboratory report is included within Appendix 3 of this report.

## 6.0 DIRECT-PUSH SOIL BORINGS & GROUNDWATER WELL INSTALLATION

To further characterize the subsurface of the Site and supplement the information obtained during LaBella's test pit investigation, LaBella completed a direct-push soil boring & groundwater sampling program at the Site as summarized below.

### *6.1 Soil Borings*

Labella mobilized to the Site on December 8, 2015 and advanced nine soil borings at the Site designated SB1 through SB5, SB5A, and SB6 through SB8. The soil borings were advanced to terminal depths of between approximately 10 and 24 ft. bgs. The soil borings were continuously monitored for visible impairment, olfactory indications of impairment, and total VOCs using a PID. A qualified scientist from LaBella supervised and documented the soil borings, and prepared logs describing the overburden stratigraphy, field measurements, and visual and olfactory observations. Evidence of impairment gathered at the time of the fieldwork was used with observed hydrogeological conditions to assist in determining the location and depth for sample collection. The soil boring locations were measured relative to fixed Site features. The approximate soil boring locations are depicted on Figure 2 within the Figures and Photographs Appendix of this report. Soil boring subsurface logs are included in Appendix 2.

The table below summarizes PID readings obtained at various depth intervals from the soil borings.

**Soil Boring Summary and Soil PID Readings**

| Soil Boring ID | Sample Interval (ft. bgs)) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0-2 | 2-4 | 4-6 | 6-8 | 8-10 | 10-12 | 12-14 | 14-16 | 16-18 | 18-20 | 20-22 | 22-24 |
| SB1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0[2] | 0.0 | 0.0 | 0.0 | -- | -- | -- | -- |
| SB2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | -- | -- | -- | -- |
| SB3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -- | -- | -- | -- |
| SB4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -- | -- | -- | -- |
| SB5 | 0.0 | 0.0 | 0.0 | 0.0 | 725[1,2] | -- | -- | -- | -- | -- | -- | -- |
| SB5A | 0.0 | 0.0 | 0.0 | 0.0 | 607[1,2] | -- | -- | -- | -- | -- | -- | -- |
| SB6 | 0.0 | 0.0 | 140[1,2] | 216[1,2] | 104[1,2] | 93[1,2] | 61[1] | 3 | -- | -- | -- | -- |
| SB7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -- | -- | -- | -- |
| SB8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

*Notes:*

1. *All PID readings were collected utilizing a Minirae 3000 photoionization detector and are expressed in ppm.*
2. *The PID screening is performed as a method of determining general presence or absence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOC presence in the soil, and are not considered to be a direct quantization of actual soil VOC concentration.*
3. *"--" denotes boring not completed to above-listed depth or insufficient recovery occurred at specified depth.*
4. *[1] = Gasoline-type odors detected*
5. *[2] = Dark soil or suspected staining*

Black staining was observed in four of the nine soil borings (SB1 @ 8-10 ft. bgs, SB5 @ 8-10 ft. bgs, SB5A @ 8-10 ft. bgs, and SB6 @ 4-12 ft. bgs). Gasoline-type odors were observed in three of the nine soil borings (SB5 @ 8-10 ft. bgs, SB5A @ 8-10 ft. bgs and SB6 @ 4-14 ft. bgs).

A majority of the Site is overlain with between three and 14 inches of asphalt and/or concrete. Generally, the subsurface materials encountered within the soil borings consisted of fill material (asphalt, brick, slag) from between approximately 3 inches and 12 ft. bgs. Soils at the Site were identified at various depths intermingled with the fill material; however, native soils consisting of glacial till comprised of sands, silts and clays were generally located beyond approximately four ft. bgs. Equipment refusal was encountered within soil borings SB5 and SB5A at approximately 10 ft. bgs. It should be noted that soil borings SB5 and SB5A were advanced immediately west adjacent to Tank A and Tank B.

Upon completion of soil boring activities, the excavated materials were returned to the soil borings from which they originated.

### *6.2 Groundwater Well Installation*

Three 1-inch temporary overburden groundwater monitoring wells (TPMW1 through TPMW3) were installed at the Site within soil boreholes SB1, SB4 and SB8, respectively, on December 8, 2015. The wells were completed to total depths of 15.5 ft. bgs, 15.3 ft. bgs, and 22.1 ft. bgs, respectively. Each well was completed with five feet of 0.010-slot well screen connected to an appropriate length of solid polyvinyl chloride (PVC) well riser to complete the well. The annulus was filled with quartz sand along the five-foot length of the slot well screen. The remaining annulus was bentonite-sealed to the ground surface. Groundwater depths were measured at 6.8, 7, and 8.1 ft. bgs, respectively. The temporary groundwater monitoring well locations are depicted on Figure 2.

## 7.0 SOIL & GROUNDWATER LABORAOTRY ANALYSIS

### *7.1 Soil Laboratory Analysis*

Select soil samples collected as part of the test pit investigation and soil boring program were placed in laboratory supplied containers and sent under Chain of Custody procedures to a Chemtech, a NYSDOH Environmental Laboratory Accreditation Program (ELAP) certified laboratory with a 10 business day turnaround time. The following laboratory analysis was conducted.

| Sampling Location | TCL VOCs | CP-51 VOCs | CP-51 SVOCs | PCBs | RCRA Metals |
|---|---|---|---|---|---|
| **TP1 (2-4 ft. bgs)** | | | | | X |
| **TP2 (4-6 ft. bgs)** | X | X | X | X | X |
| **TP3 (7-9 ft. bgs)** | X | X | X | X | X |
| **TP4 (2-4 ft. bgs)** | X | X | X | X | X |
| **TP5 (2-4 ft. bgs)** | | | | | X |
| **TP6 (1-3 ft. bgs)** | | | | | X |
| **TP7 (2-4 ft. bgs)** | | | | | X |
| **TP8 (2-4 ft. bgs)** | | | | | X |
| **SB1 (9-10 ft. bgs)** | X | X | X | X | X |

| | | | | | |
|---|---|---|---|---|---|
| **SB2 (2-4 ft. bgs)** | X | X | X | X | X |
| **SB3 (2-4 ft. bgs)** | X | X | X | X | X |
| **SB4 (12-14 ft. bgs)** | X | X | X | X | X |
| **SB5A (9-10 ft. bgs)** | X | X | X | X | X |
| **SB6 (4-8 ft. bgs)** | X | X | X | X | X |
| **SB7 (2-4 ft. bgs)** | X | X | X | X | X |
| **SB8 (18-20 ft. bgs)** | X | X | X | X | X |

CP-51 VOCs = NYSDEC Commissioners Policy 51 (CP-51) VOCs via United States Department of Environmental Protection (USEPA) test method 8260
TCL VOCs = target compound list (TCL) VOCs via USEPA test method 8260
CP-51 SVOCs = NYSDEC CP-51 SVOCs via USEPA test method 8270
PCBs = PCBs via USEPA test method 8082
RCRA Metals = RCRA metals using USEPA Method 6010/7470

A copy of the laboratory report is included in Appendix 3 of this report. The laboratory results are summarized in Section 7.3.

### *7.2 Groundwater Laboratory Analysis*

Groundwater samples were collected from temporary groundwater monitoring wells TPMW1 through TPMW3 on December 11, 2015. The groundwater depths within the temporary groundwater monitoring wells were measured and the groundwater volume was calculated prior to low-flow purging of between three and five well volumes via a Geotech Geopump II AC/DC Peristaltic Pump. It should be noted that during the second purge event for TPMW1, the well went dry. As a result, such was allowed to recharge enough for sampling purposes; however, a limited sample volume was available for collection and analysis of CP-51 SVOCs. In addition to the limited sample volume available in TPMW1, turbidity within the well was deemed excessive (above 50 Nephelometric turbidity units). As a result, 500 milliliters were collected in a non-preservative, one-liter amber bottle for filtered, dissolved metals analysis. No evidence of impairment was observed during sampling of the wells. The groundwater laboratory analysis completed is summarized below.

| Sampling Location | TCL VOCs | CP-51 VOCs | CP-51 SVOCs | PCBs | RCRA Metals |
|---|---|---|---|---|---|
| **TPMW1** | X | X | X | | X |
| **TPMW2** | X | X | X | | X |
| **TPMW3** | X | X | X | | X |

CP-51 VOCs = CP-51 VOCs via USEPA test method 8260
TCL VOCs = TCL VOCs via USEPA test method 8260
CP-51 SVOCs = NYSDEC CP-51 SVOCs via USEPA test method 8270
PCBs = PCBs via USEPA test method 8082
RCRA Metals = RCRA metals using USEPA Method 6010/7470

A copy of the laboratory report is included in Appendix 3 of this report. The laboratory results are summarized in Section 7.3.

### *7.3 Quality Control*

LaBella submitted one trip blank sample for laboratory analysis for VOCs via USEPA test method 8260.

## 8.0 LABORATORY RESULTS

#### *8.1.1 Test Pit Soil Laboratory Results*

Based on the test pit sample laboratory results, the following was identified.

- Several VOCs were identified within soil samples collected from TP2, TP3 and TP4 above the laboratory method detection limits (MDLs); however, only acetone was detected above Part 375 Unrestricted Soil Cleanup Objectives (SCO's). It should be noted that acetone is a common laboratory contaminant.
- One SVOC (dimethylphthalate) was detected in soil samples collected from TP2, TP3 and TP4, at concentrations of 790 micrograms per kilogram (µg/kg), 810 µg/kg, and 1,300 µg/kg respectively. Part 375 SCO's and CP-51 Soil Cleanup Levels (SCL's) do not include published standards for dimethylphthalate.
- No PCBs were detected at concentrations above the laboratory MDL's in any of the test pit soil samples submitted for laboratory analysis.
- The following metals were detected above Part 375 SCO's in the test pit soil samples collected.
    - Arsenic was detected at concentrations exceeding the Part 375 Unrestricted and Commercial SCO in TP4 [174 milligrams per kilogram (mg/kg)] and TP7 (16.5 mg/kg).
    - Barium was detected in the soil sample collected from TP8 at a concentration (375 mg/kg) exceeding the Part 375 Unrestricted SCO. Barium was not detected at concentrations exceeding the Part 375 Commercial SCO in any of the test pit soil samples submitted for laboratory analysis.
    - Total chromium was detected in the soil samples collected from all eight test pits at concentrations (between 6.04 and 25.7 mg/kg) exceeding the Part 375 Unrestricted SCO. Total chromium was not detected at concentrations exceeding the Part 375 Commercial SCO in any of the test pit soil samples submitted for laboratory analysis.
    - Lead was detected in soil samples collected all of the test pits with the exception of test pit TP2 at concentrations (between 123 and 1,070 mg/kg) exceeding Part 375 Unrestricted SCO's. However, only TP4 exhibited a concentration of lead exceeding the Part 375 Commercial SCO.
    - Mercury was detected in all eight test pits at concentrations (between 0.3 and 4.9 mg/kg) exceeding the Part 375 Unrestricted SCO. However, only TP4 exhibited a concentration of mercury exceeding the Part 375 Commercial SCO.
    - Silver was detected in soil samples collected from test pits TP3, TP4, TP6, TP7 and TP8 at concentrations (between 2.16 and 6.9 mg/kg) exceeding the Part 375 Unrestricted SCO. Silver was not detected at concentrations exceeding the Part 375 Commercial SCO in any of the test pit soil samples submitted for laboratory analysis.

Laboratory results for the test pit samples are summarized in Table 1.

### *8.1.2 Soil Borings*

Based on the soil boring sample laboratory results, the following was identified.

- Acetone was detected in soil samples collected from soil borings SB1, SB4, and SB7 at concentrations exceeding the Part 375 Unrestricted SCO. Acetone was not detected in any of the soil boring soil samples at concentrations exceeding the Part 375 Commercial SCO. It should be noted that acetone is a common laboratory contaminant.
- Several petroleum related constituents (benzene, ethylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, n-butylbenzene, xylenes, toluene, 1,3,5-trimethylbenzene, and 1,2,4-trimethylbenzene) were detected in soil samples collected from soil borings SB5A and SB6 at concentrations exceeding CP-51 SCL's and Part 375 Unrestricted SCO's. No petroleum related constituents were detected at concentrations exceeding Part 375 Commercial SCO's in soil samples collected from soil borings SB5A and SB6.
- Several SVOCs were detected in the soil boring soil samples completed at concentrations above the laboratory MDLs; however, no SVOCs were detected above applicable SCO's and SCL's.
- No PCBs were identified within any of the soil boring samples submitted for laboratory analysis.
- The following metals were detected above Part 375 SCO's in the soil boring soil samples collected.
    - Arsenic was detected in soil samples collected from soil borings SB2, SB5A, and SB7 at concentrations (between 17 and 27.3 mg/kg) exceeding the Part 375 Unrestricted and Commercial SCO's.
    - Cadmium was detected in soil samples collected from soil borings SB2 and SB7 at concentrations (between 11 and 28 mg/kg) exceeding the Part 375 Unrestricted and Commercial SCO's.
    - Total chromium was detected in soil samples collected in all eight soil samples collected for laboratory analysis at concentrations (between 7.81 and 440 mg/kg) exceeding the Part 375 Unrestricted SCO; however, only soil collected from soil boring SB5A exhibited a concentration of total chromium exceeding the Part 375 Commercial SCO. None of the soil boring samples exhibited concentrations of total chromium exceeding the Part 375 Commercial SCO.
    - Lead was detected in soil samples collected from soil borings SB1, SB2, SB4, and SB7 at concentrations (between 127 and 423 mg/kg) exceeding the Part 375 Unrestricted SCO. None of the soil boring samples exhibited concentrations of lead exceeding the Part 375 Commercial SCO.
    - Mercury was detected in soil samples collected from soil borings SB1, SB2, and SB4 at concentrations (between 0.25 and 0.65 mg/kg) exceeding the Part 375 Unrestricted SCO. None of the soil boring samples exhibited concentrations of mercury exceeding the Part 375 Commercial SCO.

- Silver was detected at concentrations (between 2.02 and 20.6 mg/kg) exceeding the Part 375 Unrestricted SCO in all of the soil boring samples collected with the exception of soil boring SB8. None of the soil boring samples exhibited concentrations of silver exceeding the Part 375 Commercial SCO.

Laboratory results for the soil boring samples are summarized in Table 2.

### *8.1.3 Temporary Groundwater Monitoring Wells*

Based on the groundwater sample laboratory results, the following was identified.

- Acetone and selenium were detected at concentrations exceeding NYSDEC Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values in the groundwater sample collected from TPMW1. It should be noted that acetone is a common laboratory contaminant.
- Cis-1,2-dichloroethene and selenium were detected at concentrations exceeding TOGS in the groundwater sample collected from TPMW2.
- Benzene, cis-1,2-dichloroethene, vinyl chloride, and mercury were detected at concentrations exceeding TOGS Ambient Water Quality Standards and Guidance Values in the groundwater sample collected from TPMW3.

Laboratory results for the groundwater samples are summarized in Table 3.

### *8.1.4 Quality Control*

No VOC detections were identified in the trip blank analysis.

## 9.0 CONCLUSIONS

Based on the results of this assessment, LaBella concludes the following.

- No further assessment of the anomalies identified by the geophysical survey appears warranted.
- One suspect 1,000-gallon gasoline UST (Tank A) and one suspect 2,000-gallon gasoline UST (Tank B) were encountered within test pit TP-2. Subsurface soil collected from TP-2 and soil borings SB5, SB5A, and SB6 located immediately adjacent Tank A and Tank B, exhibited visual, olfactory, and PID evidence of gasoline impact to a maximum depth of approximately 14 ft. bgs. Although the soil sample collected from TP-2 did not identify elevated concentrations of petroleum related constituents, several gasoline related analytes were detected in soil samples collected from soil borings SB5A and SB6 located immediately west and south of the USTs at concentrations exceeding CP-51 SCL's. No field or laboratory evidence of gasoline impact was identified within subsurface investigation points SB7 or SB8/TPMW3 located south of soil boring SB-6 and north of the USTs, respectively. Although the extent of the subsurface gasoline impact cannot be confirmed, such appears to be located proximate and immediately west of Tank A and Tank B. As the contents of Tank A and Tank B were removed within the scope of this assessment, the likelihood of future subsurface releases from the USTs has been reduced.

- Three 1-inch steel pipes were encountered within the west sidewall of test pit TP-2 and traveled north to south at an elevation immediately above Tank A and Tank B. The three 1-inch steel pipes appear consistent with such typically associated petroleum bulk storage systems (i.e. pump dispensers, vent pipes, etc.); however, their nature could not be confirmed due to on-site limitations (i.e. concrete slabs).
- Two in-ground hydraulic lifts and one grease cylinder were identified within test pit TP-3. Subsurface soil samples collected from TP-3 were dark in color, exhibited a maximum PID reading of 110 ppm, and identified concentrations of chromium, lead, mercury, and silver exceeding Part 375 Unrestricted SCO's. In addition, laboratory analysis of the black axle grease type material collected from the grease cylinder detected concentrations of lead which characterized the material as hazardous waste. Although no petroleum related analytes were detected within the soil sample collected from TP-3 at concentrations above commonly applied regulatory criteria, there is the potential for additional localized subsurface impact to be present proximate the in-ground hydraulic lifts and grease cylinder.
- Fill material consisting of gravel, slag, and brick, intermingled with native clay appears to generally overlay the Site. Although the fill material was encountered to a maximum of approximately 10 ft. bgs, it appears that the fill material generally extends to 4-6 ft. bgs. Laboratory analysis of the fill material generally identified elevated concentrations of several metals; however, arsenic, cadmium, chromium, lead, and mercury were all detected in at least one subsurface sampling location at concentrations exceeding Part 375 Commercial SCO's.
- Selenium was detected in groundwater samples collected from groundwater monitoring wells TPMW1 and TPMW2 at concentrations exceeding TOGS Ambient Water Quality Standards and Guidance Values. Selenium was not detected in any of the soil samples collected and submitted for laboratory analysis as part of this assessment. Although the source of the selenium detections cannot be confirmed, such may be the result of low well recovery volume or elevated sample turbidity.
- Mercury was detected in the groundwater sample collected from groundwater monitoring well TPMW3 at a concentration exceeding TOGS Ambient Water Quality Standards and Guidance Values. Although the mercury detection may be the result of low well recovery volume or elevated sample turbidity, such may also be the result of elevated mercury concentrations identified within subsurface soil/fill at the Site.
- Acetone was detected in the groundwater sample collected from groundwater monitoring well TPMW1 at a concentration above TOGS Ambient Water Quality Standards and Guidance Values. Based on the concentration detected (150 µg/l), such may be the result of laboratory contamination.
- Cis-1,2-dichloroethene was detected in the groundwater sample collected from groundwater monitoring well TPMW2 at a concentration (6.1 µg/l) exceeding TOGS Ambient Water Quality Standards and Guidance Values. In addition, benzene (4.7 µg/l), cis-1,2-dichloroethene (190 µg/l), and vinyl chloride (33.5 µg/l) were detected in the groundwater sample collected from TPMW3 at concentrations exceeding TOGS Ambient Water Quality Standards and Guidance Values. While the benzene detection may be attributed to subsurface gasoline impact, the source of the cis-1,2-dichloroethene and vinyl chloride detections cannot be confirmed.

## 10.0 RECOMMENDATIONS

It is LaBella's understanding that the Site is planned to be redeveloped as a publically accessible micro-park featuring a canoe/kayak launch. LaBella was retained by the Client to assess the environmental conditions at the Site due to the environmental concerns described in Section 2.4, and evaluate potential remedial options at the Site should such be warranted.

Based on the results of this assessment, it is LaBella's understanding that the Client is considering application of the Site into the NYSDEC Brownfield Cleanup Program (BCP). Such an effort would include submitting a NYSDEC BCP Enrollment Application accompanied by a Remedial Investigation Work Plan (RIWP). The RIWP would be prepared in accordance with NYSDEC's Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation. This document would present an initial evaluation of the existing data and background information associated with the Site as well as describe the scope of the planned investigation and the methods to be utilized to further characterize the nature and extent of contamination at the Site associated with the following.

- Tank A and Tank B and associated subsurface petroleum impact.
- In-ground hydraulic lifts, the grease cylinder, and potential adjacent subsurface impact.
- Metals impacted fill material overlaying the Site.
- Groundwater impact.

In addition, as field evidence of petroleum impact was encountered within the scope of this assessment and NYSDEC spill # 1508546 was assigned to the Site, a copy of this report should be provided to the NYSDEC for review and comment.

## 11.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We appreciate the opportunity to serve your professional environmental engineering needs. If you have any questions please do not hesitate to contact me at (716) 840-2548.

Report Prepared By:

Chris Kibler
Environmental Analyst
Environmental Professional

Report Reviewed By:

Adam Zebrowski
Project Manager
Environmental Professional

I:\BUFFALO NIAGARA RIVERKEEPER\2151177 - 1660 NIAGARA ST PHASE II ESA\REPORTS\2151177.PHASE II REPORT DRAFT.WITH CLIENT EDITS.2.19.2016.DOCX

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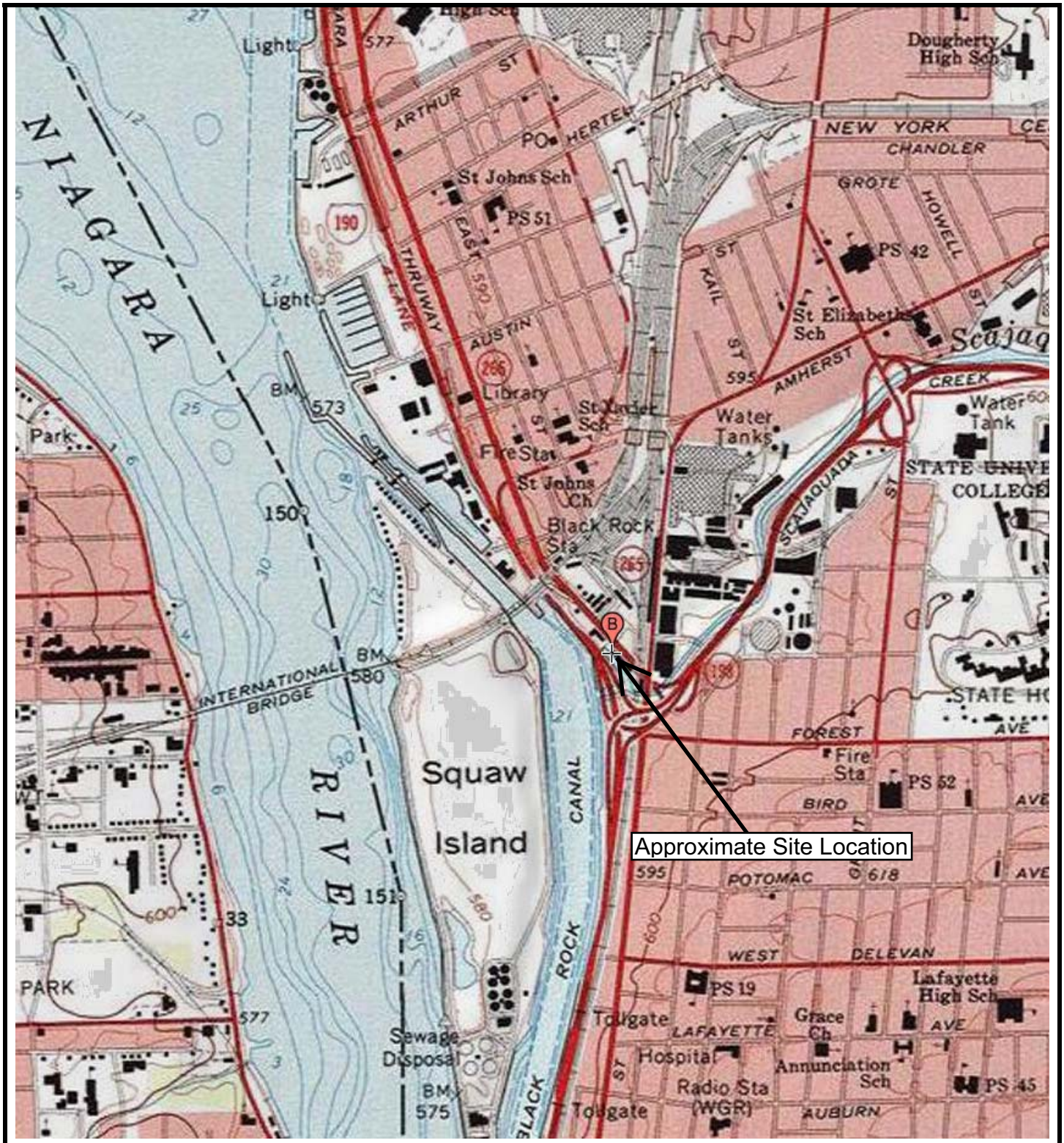
# FIGURES




N

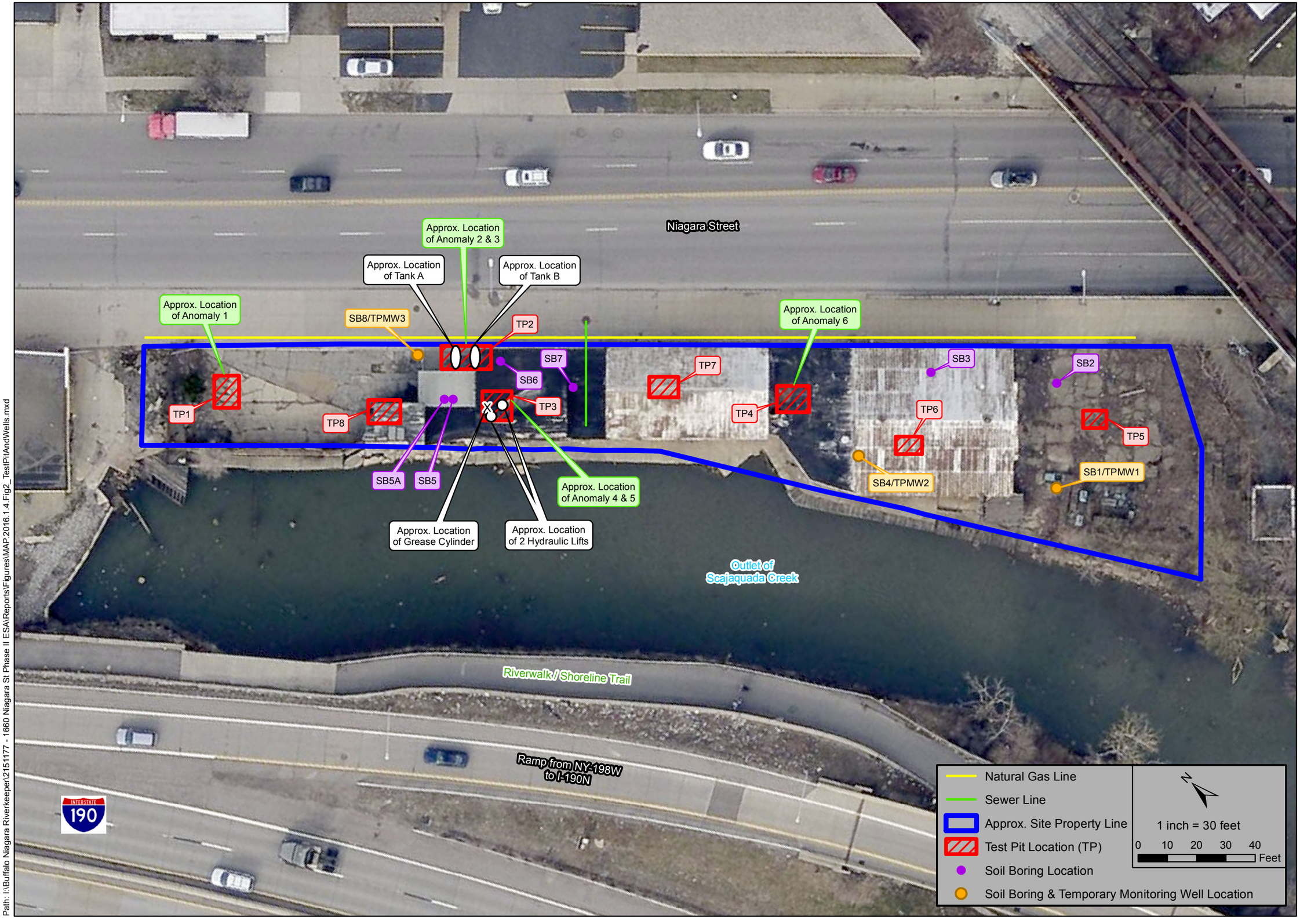
Not To Scale

# FIGURE 1
## SITE LOCATION MAP

**Buffalo Niagara Riverkeeper**
**1660 Niagara Street**
**Buffalo, New York**

LABELLA

PROJECT NO. 2151177




LABELLA Associates, D.P.C.
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PROJECT/CLIENT
BUFFALO NIAGARA RIVERKEEPER
1660 NIAGARA STREET
BUFFALO, NEW YORK

DRAWING TITLE
SITE INVESTIGATION MAP

ISSUED FOR: REVIEW
DESIGNED BY: RCN
DRAWN BY: KMN
REVIEWED BY: CK
DATE: JANUARY 2016

PROJECT/DRAWING NUMBER
2151177
FIGURE 2

Path: I:\Buffalo Niagara Riverkeeper\2151177 - 1660 Niagara St Phase II ESA\Reports\Figures\MAP.2016.1.4.Fig2_TestPitAndWells.mxd

LABELLA Associates, D.P.C. | Engineering Architecture Environmental Planning

# TABLES

**Table 1**
**Buffalo Niagara Riverkeeper, 1660 Niagara Street, Buffalo, New York**
**Phase II Environmental Site Assessment**
**Summary of Test Pit Analytical Results**
**Project #2151177**
**(Detected Compounds Only)**

| Sample ID | TP1 | TP2 | TP3 | TP4 | TP5 | TP6 | TP7 | TP8 | CP-51 Soil Cleanup Levels | Unrestricted Use Soil Cleanup Objectives | Commercial Use Soil Cleanup Objectives |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Depth** | **2-4 ft. bgs** | **4-6 ft. bgs** | **7-9 ft. bgs** | **2-4 ft. bgs** | **2-4 ft. bgs** | **1-3 ft. bgs** | **2-4 ft. bgs** | **2-4 ft. bgs** | | | |
| **Sample Date** | **11/18/2015** | **11/18/2015** | **11/18/2015** | **11/18/2015** | **11/18/2015** | **11/18/2015** | **11/18/2015** | **11/18/2015** | | | |
| **Volatile Organic Compounds (ug/kg)** | | | | | | | | | | | |
| 2-Butanone | NA | < | 9.2 J | < | NA | NA | NA | NA | NL | NL | NL |
| Acetone | NA | < | **62.2** | 8.3 J | NA | NA | NA | NA | NL | 50 | 500,000 |
| Chloroform | NA | < | < | 1.8 J | NA | NA | NA | NA | NL | 370 | 350,000 |
| Cyclohexane | NA | < | 16.8 | < | NA | NA | NA | NA | NL | NL | NL |
| Isopropylbenzene | NA | < | 4.4 J | < | NA | NA | NA | NA | 2,300 | NL | NL |
| Methylene Chloride | NA | 50 | 14.8 B | 4.3 JB | NA | NA | NA | NA | NL | 50 | 500,000 |
| Methylcyclohexane | NA | < | 63.9 | < | NA | NA | NA | NA | NL | NL | NL |
| m/p Xylene | NA | < | 11.6 J | 4.1 J | NA | NA | NA | NA | *260 | *260 | *500,000 |
| o-Xylene | NA | < | 6.7 | 4.5 J | NA | NA | NA | NA | *260 | *260 | *500,000 |
| n-propylbenzene | NA | < | 5.7 J | < | NA | NA | NA | NA | 3,900 | 3,900 | 500,000 |
| tert-Butylbenzene | NA | < | 4.8 J | < | NA | NA | NA | NA | 5,900 | 5,900 | 500,000 |
| sec-Butylbenzene | NA | < | 8.7 | < | NA | NA | NA | NA | 11,000 | 11,000 | 500,000 |
| Toluene | NA | < | 3.5 J | 2.7 J | NA | NA | NA | NA | 700 | 700 | 500,000 |
| Tetrachloroethene | NA | < | < | 2.7 J | NA | NA | NA | NA | NL | 1,300 | 150,000 |
| Trichloroethene | NA | < | < | 4.1 J | NA | NA | NA | NA | NL | 470 | 200,000 |
| 1,2,4-Trimethylbenzene | NA | < | 18.5 | 4.9 J | NA | NA | NA | NA | 3,600 | 3,600 | 190,000 |
| 1,3,5-Trimethylbenzene | NA | < | 5.4 J | 2.8 J | NA | NA | NA | NA | 8,400 | 8,400 | 190,000 |
| **Semi-Volatile Organic Compounds (ug/kg)** | | | | | | | | | | | |
| Dimethylphthalate | NA | 790 | 810 | 1,300 | NA | NA | NA | NA | NL | NL | NL |
| **RCRA Metals (mg/kg)** | | | | | | | | | | | |
| Arsenic | 8.65 | 5 | 8.5 | **174** | 4.1 | 10.2 | **16.5** | 7 | NA | 13 | 16 |
| Barium | 98.3 | 59.2 | 95.8 | 261 | 41.7 | 65.6 | 56.2 | **375** | NA | 350 | 400 |
| Cadmium | 0.58 | 0.3 J | 0.9 | 1.7 | 0.23 J | 0.64 | 0.52 | 1.31 | NA | 2.5 | 9.3 |
| Chromium | **14.7** | **11.3** | **15.5** | **25.7** | **6.04** | **11.5** | **10.7** | **21.3** | NA | **1/30 | **400/1,500 |
| Lead | **208** | 56.1 | **123** | **1,070** | **134** | **224** | **139** | **549** | NA | 63 | 1,000 |
| Mercury | **0.41** | **0.3** | **2.5** | **4.9** | **0.6** | **0.37** | **0.23** | **0.42** | NA | 0.18 | 2.8 |
| Silver | 1.67 | 1.7 | **3** | **6.9** | 0.8 | **2.53** | **2.21** | **2.16** | NA | 2 | 1,500 |

NYSDEC Part 375 Industrial and Commercial Soil Cleanup Objectives (December 2006)

NYSDEC Commissioner Policy (CP)-51 Soil Cleanup Guidance (October 2010)

NYSDEC Division Technical and Administrative Guidance Memorandum HWR-92-4060, Eastern USA Background Concentrations for Soil

NL = Not listed

NA = Not applicable

ft. bgs = feet below the ground surface

ug/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

< = Indicates the analyte was analyzed for, but not detected.

*Indicates a mixed Xylene Soil Cleanup Level

** Hexavalent/trivalent chromium results

J = Inidicates an estimated value.

B = Inidicates the analyte was found in the trip blank as well as the sample

No detectable compounds were identified during PCB analysis

Bold = Analyte detected above Part 375 Unrestricted Use SCOs

Yellow = Analyte detected above Part 375 Commercial SCOs

Underlined = Analyte detected above CP-51

**Table 2**
**Buffalo Niagara Riverkeeper, 1660 Niagara Street, Buffalo, New York**
**Phase II Environmental Site Assessment**
**Summary of Soil Boring Analytical Results**
**(Detected Compounds Only)**

| Sample ID | SB1 | SB2 | SB3 | SB4 | *SB5A | *SB6 | SB7 | SB8 | CP-51 Soil Cleanup Levels | Unrestricted Use Soil Cleanup Objectives | Commercial Use Soil Cleanup Objectives |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | 9-10 ft. bgs | 2-4 ft. bgs | 2-4 ft. bgs | 12-14 ft. bgs | 9-10 ft. bgs | 4-8 ft. bgs | 2-4 ft. bgs | 18-20 ft. bgs | | | |
| Sample Date | 12/8/2015 | 12/9/2015 | 12/10/2015 | 12/11/2015 | 12/12/2015 | 12/13/2015 | 12/14/2015 | 12/15/2015 | | | |
| **Volatile Organic Compounds (ug/kg)** | | | | | | | | | | | |
| Acetone | **140** | 38.8 | 10.2 J | **260** | < | < | **72.1** | 12.3 J | NL | 50 | 500,000 |
| Benzene | < | < | < | < | **19,100** | **1,200** | < | < | 60 | 60 | 44,000 |
| Carbon Disulfide | 1.9 J | 2.6 J | < | 1.6 J | < | 2.2 J | < | < | NL | NL | NL |
| cis-1,2-Dichloroethene | < | < | < | < | < | < | < | 10.4 | NL | 250 | 500,000 |
| Cyclohexane | < | < | < | < | < | 920 | < | < | NL | NL | NL |
| Ethylbenzene | < | < | < | < | **36,100** | 780 | < | < | 1,000 | 1,000 | 390,000 |
| Isopropylbenzene | < | < | < | < | 9,600 | 730 | < | < | 2,300 | NL | NL |
| Methylene Chloride | < | < | < | < | < | < | 2.1 JQ | < | NL | 50 | 500,000 |
| Methylenecyclohexane | < | < | 1.9 J | < | 26,400 | 7,000 | < | < | NL | NL | NL |
| Naphthalene | < | < | < | < | 34,000 | 850 | 1.4 J | < | 12,000 | NL | NL |
| n-propylbenzene | < | < | < | < | **44,100** | 2,700 | < | < | 3,900 | 3,900 | 500,000 |
| n-Butylbenzene | < | < | < | < | **13,600** | 840 | < | < | 12,000 | 12,000 | NL |
| 2-Butanone | 45.8 | 8.6 J | < | 67.1 | < | < | 15.2 J | < | NL | NL | NL |
| m/p-Xylenes | < | < | < | < | **93,300** | **2,800** | < | < | *260 | **260 | **500,000 |
| o-Xylene | < | < | < | < | **14,100** | **290 J** | < | < | *260 | **260 | **500,000 |
| p-Isopropyltoluene | < | < | < | < | 2,100 J | 29.4 | < | < | 10,000 | NL | NL |
| sec-Butlybenzene | < | < | < | < | 5,000 J | 310 J | < | < | 11,000 | 11,000 | 500,000 |
| Toluene | < | < | < | < | **45,100** | 470 J | < | < | 700 | 700 | 500,000 |
| 1,3,5-Trimethylbenzene | < | < | < | < | **12,400** | 720 | < | < | 8,400 | 8,400 | 190,000 |
| 1,2,4-Trimethylbenzene | < | < | < | < | **42,700** | 2,100 | 1.4 J | < | 3,600 | 3,600 | 190,000 |
| Vinyl Chloride | < | < | < | < | < | < | < | 2.1 J | NL | 20 | 13,000 |
| Tetrachloroethene | < | 1.3 J | < | < | < | < | < | < | NL | 1,300 | 200,000 |
| **Semi-Volatile Organic Compounds (ug/kg)** | | | | | | | | | | | |
| Phenol | 120 J | 87.4 J | 97.9 J | < | < | < | < | < | NL | 330 | 500,000 |
| 2-Methylnaphthalene | < | 80 J | 160 J | < | 210 J | < | < | < | NL | NL | NL |
| Anthracene | < | 81.5 J | < | < | < | < | < | < | 100,000 | 100,000 | 500,000 |
| Pyrene | < | 310 J | < | < | < | < | < | < | 100,000 | 100,000 | 500,000 |
| Benzo(a)anthracene | < | 190 J | < | < | < | < | < | < | 1,000 | 1,000 | 5,600 |
| Benzo(a)pyrene | < | 160 J | < | < | < | < | < | < | 1,000 | 1,000 | 1,000 |
| Benzo(b)fluoranthene | < | 200 J | < | < | < | < | < | < | 1,000 | 1,000 | 5,600 |
| Benzo(g,h,i)pyrene | < | 100 J | < | < | < | < | < | < | 100,000 | 100,000 | 500,000 |
| Chrysene | < | 170 J | < | < | < | < | < | < | 1,000 | 1,000 | 56,000 |
| Indeno(1,2,3-cd)pyrene | < | 95.9 J | < | < | < | < | < | < | 500 | 500 | 5,600 |
| Fluoranthene | < | 430 | < | < | < | < | < | < | 100,000 | 100,000 | 500,000 |
| Naphthalene | < | < | 99.6 J | < | 600 | < | < | < | 12,000 | 12,000 | 500,000 |
| Phenanthrene | < | 340 J | 130 J | < | 120 J | < | 110 J | < | 100,000 | 100,000 | 500,000 |
| Dimethylphthalate | 610 | 410 | 640 | 500 | 630 | 500 | 460 | 420 | NL | NL | NL |
| **RCRA Metals (mg/kg)** | | | | | | | | | | | |
| Arsenic | 3.29 | **27.3** | **65.7** | 4.27 | **31** | 3.66 | **17** | 2.18 | NA | 13 | 16 |
| Barium | 61.9 | 33.3 | 80.3 | 101 | 54.7 | 128 | 30.8 | 29.8 | NA | 350 | 400 |
| Cadmium | 0.18 J | **28** | 0.44 | 0.26 J | > | 0.3 J | **11** | 0.33 | NA | 2.5 | 9.3 |
| Chromium | 12.1 | 23.6 | 21.2 | 18.2 | **440** | 51.4 | 20 | 7.81 | NA | ***1/30 | ***400/1,500 |
| Lead | **121** | **423** | 33 | **127** | 49.8 | 44.2 | **243** | 9.09 | NA | 63 | 1,000 |
| Mercury | **0.33** | **0.25** | 0.07 | **0.65** | 0.12 | 0.07 | 0.1 | 0.01 J | NA | 0.18 | 2.8 |
| Silver | **2.02** | **20.6** | **3.15** | **2.07** | **2.97** | **2.41** | **16.4** | 0.77 | NA | 2 | 1,500 |

NYSDEC Part 375 Industrial and Commercial Soil Cleanup Objectives (December 2006)

NYSDEC Commissioner Policy (CP)-51 Soil Cleanup Guidance (October 2010)

NYSDEC Division Technical and Administrative Guidance Memorandum HWR-92-4060, Eastern USA Background Concentrations for Soil

NL = Not listed

NA = Not Applicable

ft. bgs = feet below the ground surface

ug/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

< = Indicates the analyte was analyzed for, but not detected.

*SB5A and SB6 VOC results generated from a secondary dilution factor.

**Indicates a mixed Xylene Soil Cleanup Level

*** Hexavalent/trivalent chromium results

J = Inidicates an estimated value.

No detectable compounds were identified during PCB analysis

Bold = Analyte detected above Part 375 Unrestricted Use SCOs

Yellow = Analyte detected above Part 375 Commercial SCOs

Underlined = Analyte detected above CP-51

# Table 3
## Buffalo Niagara Riverkeeper, 1660 Niagara Street, Buffalo, New York
## Phase II Environmental Site Assessment
## Summary of Groundwater Analytical Results
### (Detected Compounds Only)

| Sample ID | TPMW1 | TPMW2 | TPMW3 | TOGS* |
|---|---|---|---|---|
| Sample Date | 12/11/2015 | 12/11/2015 | 12/11/2015 | |
| **Volatile Organic Compounds (ug/L)** | | | | |
| Acetone | 150 | 31.4 | 44 | 50 |
| Benzene | < | < | 4.7 J | 1 |
| Carbon Disulfide | 0.3 J | 0.33 J | < | NL |
| cis-1,2-Dichloroethene | 0.48 J | 6.1 | 190 | 5 |
| trans-1,2-Dichloroethene | < | < | 2.9 J | 5 |
| 1,1-Dichlororethene | < | < | 0.54 J | 5 |
| Vinyl Chloride | < | 0.58 J | 33.5 | 2 |
| **RCRA Metals (ug/L)** | | | | |
| Aresnic | < | 6.53 J | < | 25 |
| Barium | 39.2 J | 313 | 783 | 1,000 |
| Cadmium | < | < | < | 5 |
| Chromium | < | 4.94 J | 8.92 | 50 |
| Lead | < | 23.6 | 7.33 | 25 |
| Mecury | < | 0.19 J | 0.706 | 0.7 |
| Selenium | 14 | 11.2 | < | 10 |
| Silver | < | < | < | 50 |

*Division of Technical and Operational Guidance Series (TOGS) (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (Class GA).

No detectable compounds were identified during SVOC analysis.

NL = Not listed

ug/L = micrograms per liter

< = Indicates the analyte was analyzed for, but not detected.

J = Indicates an estimated value

Yellow = Analyte detected above NYSDEC Groundwater Standards

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# APPENDIX 1

## Geophysical Engineering Report

# GEOPHYSICAL ENGINEERING SURVEY REPORT

**Commercial Property**

**1660 Niagara Street**
**Buffalo, New York 14207**

**NOVA PROJECT NUMBER**
**15-0869**

**DATED**
**October 30, 2015**

**PREPARED FOR:**
***LaBella Associates, D.P.C.***
**300 Pearl Street**
**Buffalo, New York 14202**

**PREPARED BY:**

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

# NOVA GEOPHYSICAL SERVICES

**SUBSURFACE MAPPING SOLUTIONS**
56-01 Marathon Parkway, # 765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com


October 30, 2015

Adam Zebrowski
Project Manager
***LaBella Associates, D.P.C.***
300 Pearl Street
Buffalo, New York 14202
Direct: 716.840.2548

Re: Geophysical Engineering Survey (GES) Report
Commercial Property
1660 Niagara Street
Buffalo, New York 14202

Dear Mr. Zebrowski:

Nova Geophysical Services (NOVA) is pleased to provide findings of the geophysical engineering survey (GES) at the above referenced project site: Commercial Property, 1660 Niagara Street, Buffalo, New York (the "Site"). Please see attached Site Location and Geophysical Survey maps for more details.

**INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)**

NOVA performed a Geophysical engineering surveys (GES) consisting of a Ground Penetrating Radar (GPR) survey at the site. The purpose of this survey is to locate and potential identify USTs, based on a previous survey of the site, on October 23, 2015.

The equipment selected for this investigation was a Noggin 250 MHz ground penetrating radar (GPR) shielded antenna, a 3M Dynatel utility locator and a magnetometer.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

## GEOPHYSICAL METHODS

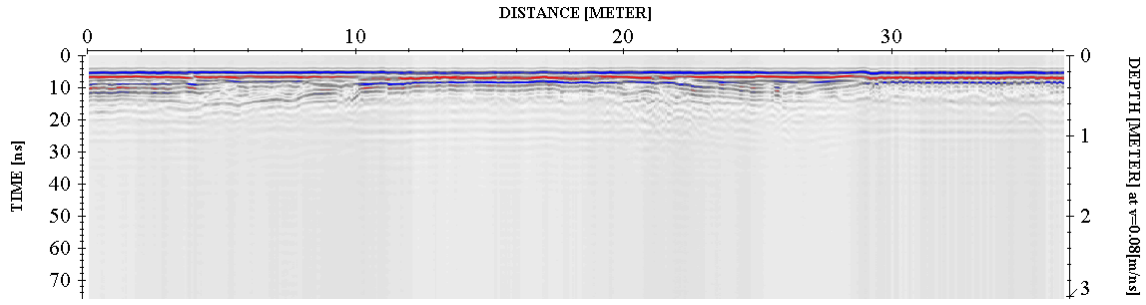
The project site was screened using the GPR to search the entire area and inspected for reflections, which could be indicative of major anomalies and substructures. The magnetometer was used to located metallic debris in the subsurface. The utility locator was used in an attempt to locate USTs associated with the remnants of two exposed vent pipes.

GPR data profiles were collected for the areas of the Site specified by the client. The surveyed areas consisted concrete and dirt surfaces.

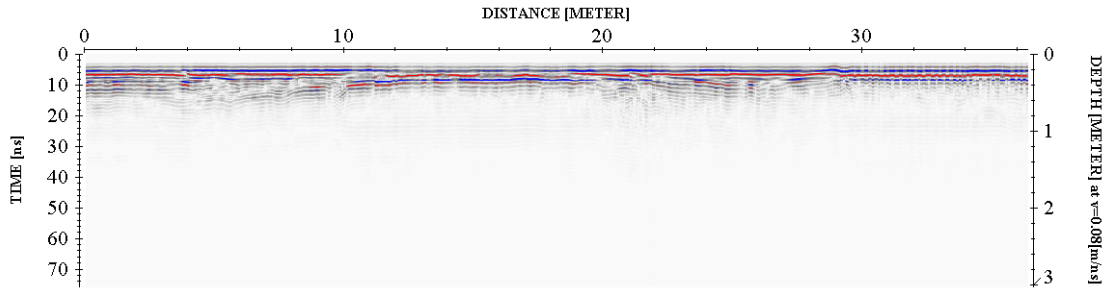
## DATA PROCESSING

In order to improve the quality of the results and to better identify subsurface anomalies NOVA processed the collected data. The processes flow is briefly described at this section.

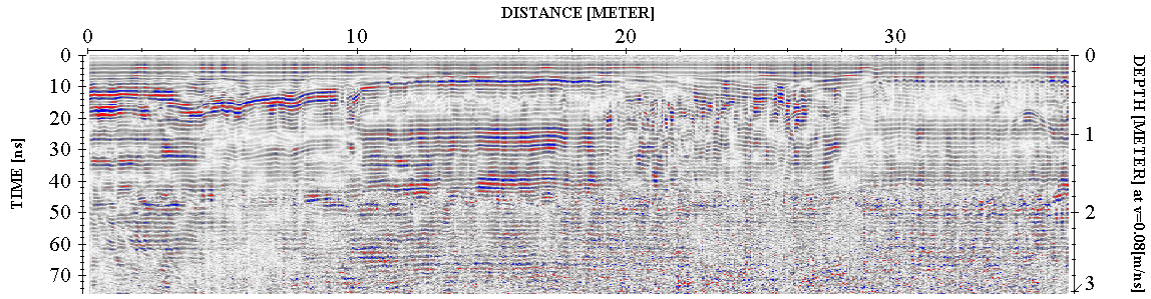
**Step 1.** Import raw RAMAC data to standard processing format



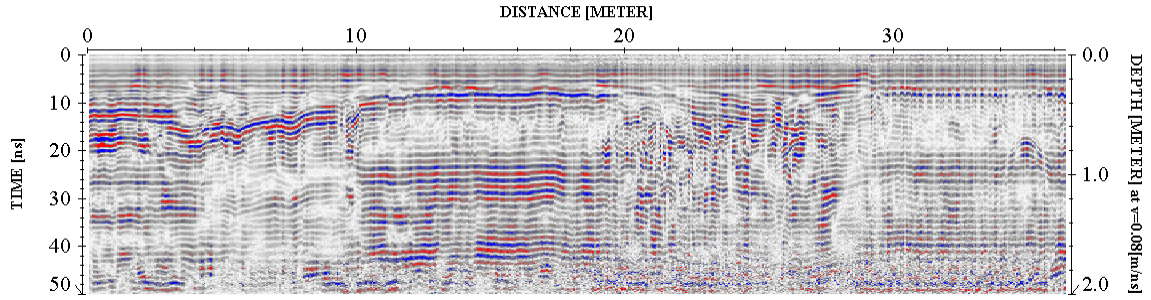

**Step 2.** Remove instrument noise *(dewow)*



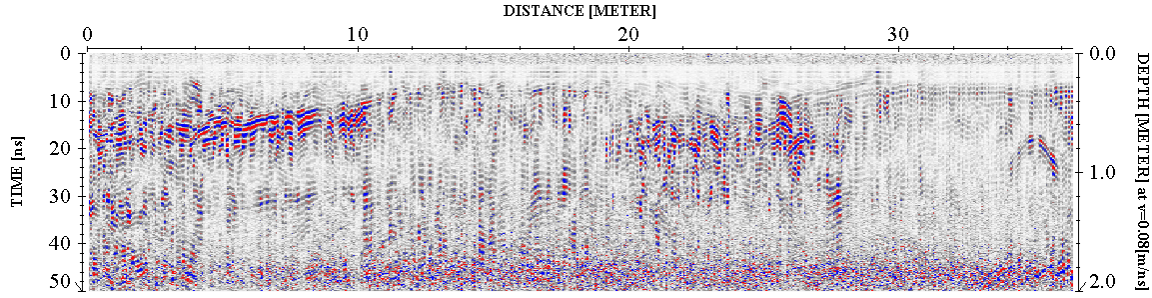
**Step 3.** Correct for attenuation losses *(energy decay function)*




**Step 4.** Remove static from bottom of profile *(time cut)*




**Step 5.** Mute horizontal ringing/noise *(subtracting average)*




The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and describes the subsurface anomalies more accurately.

## PHYSICAL SETTINGS

Nova observed following physical conditions at the time of the survey:

**The weather**: Sunny

**Temp:** 55 Degrees (F).

**Surface:** Concrete and dirt surfaces

**Geophysical Noise Level (GNL):** Geophysical Noise Level (GNL) was medium to high at the site. The noise was a result of historic fill and layered concrete slabs on the site.

## RESULTS

The results of the geophysical engineering survey (GES) identified following at the project Site:

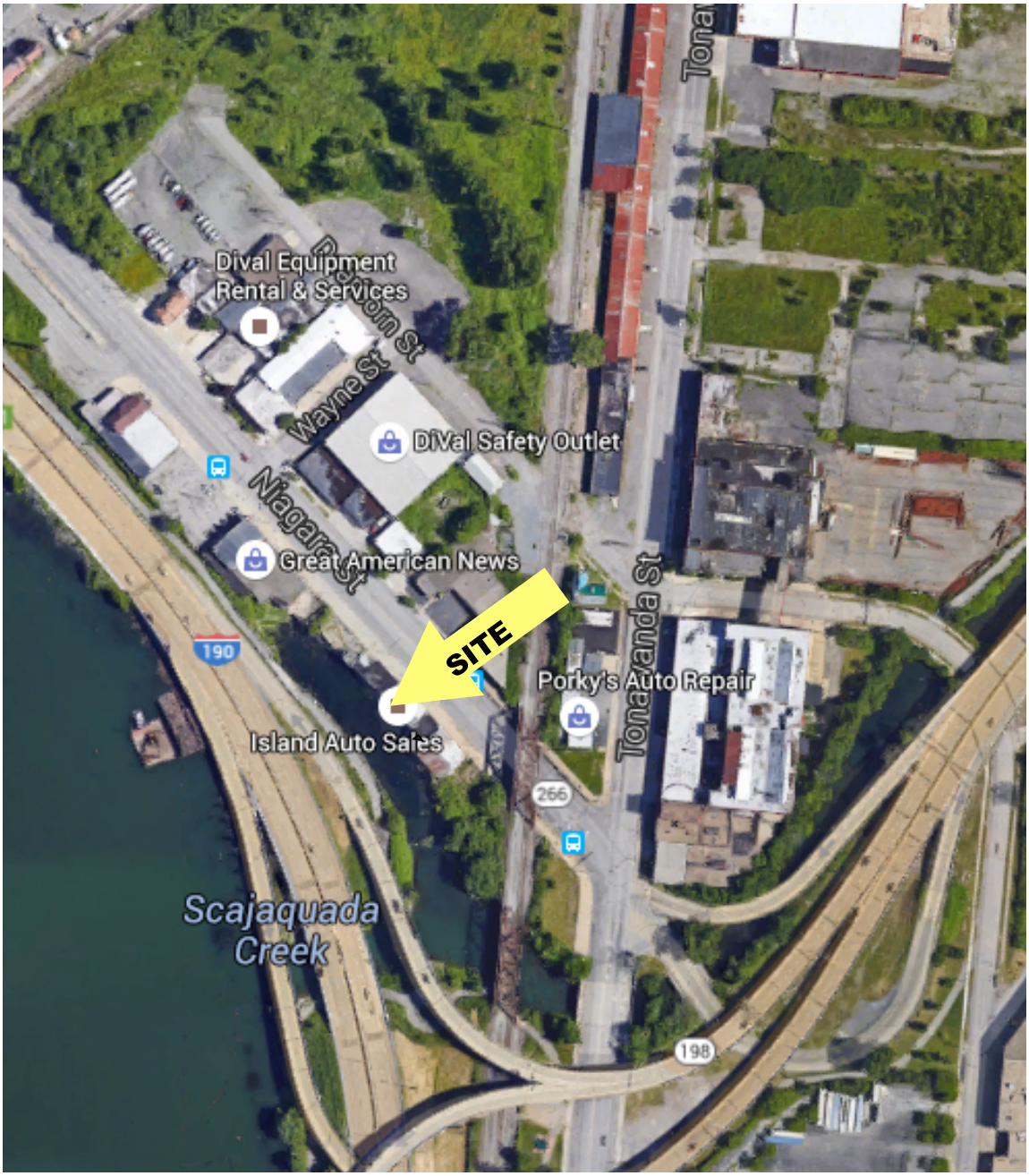
- Several large anomalies, consistent with potential USTs, were located on the site. These are marked out on-site and on the survey map. The width and distances from the curb of these anomalies are indicated on the sidewalk.
- Several utilities (sewer, electric and gas) were located on the site. These were marked out both at the site and on the survey map (subsurface only).
- GES survey identified scattered anomalies located throughout the project site. Based on their rates and proximity, these anomalies were inconsistent with any other USTs.
- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

If you have any questions please do not hesitate to contact the undersigned.
Sincerely,

**NOVA Geophysical Services**

Levent Eskicakit, P.G., E.P.
Project Engineer

**Attachments:**
Figure 1 Site Location Map
Geophysical Survey Plan
Geophysical Images




N

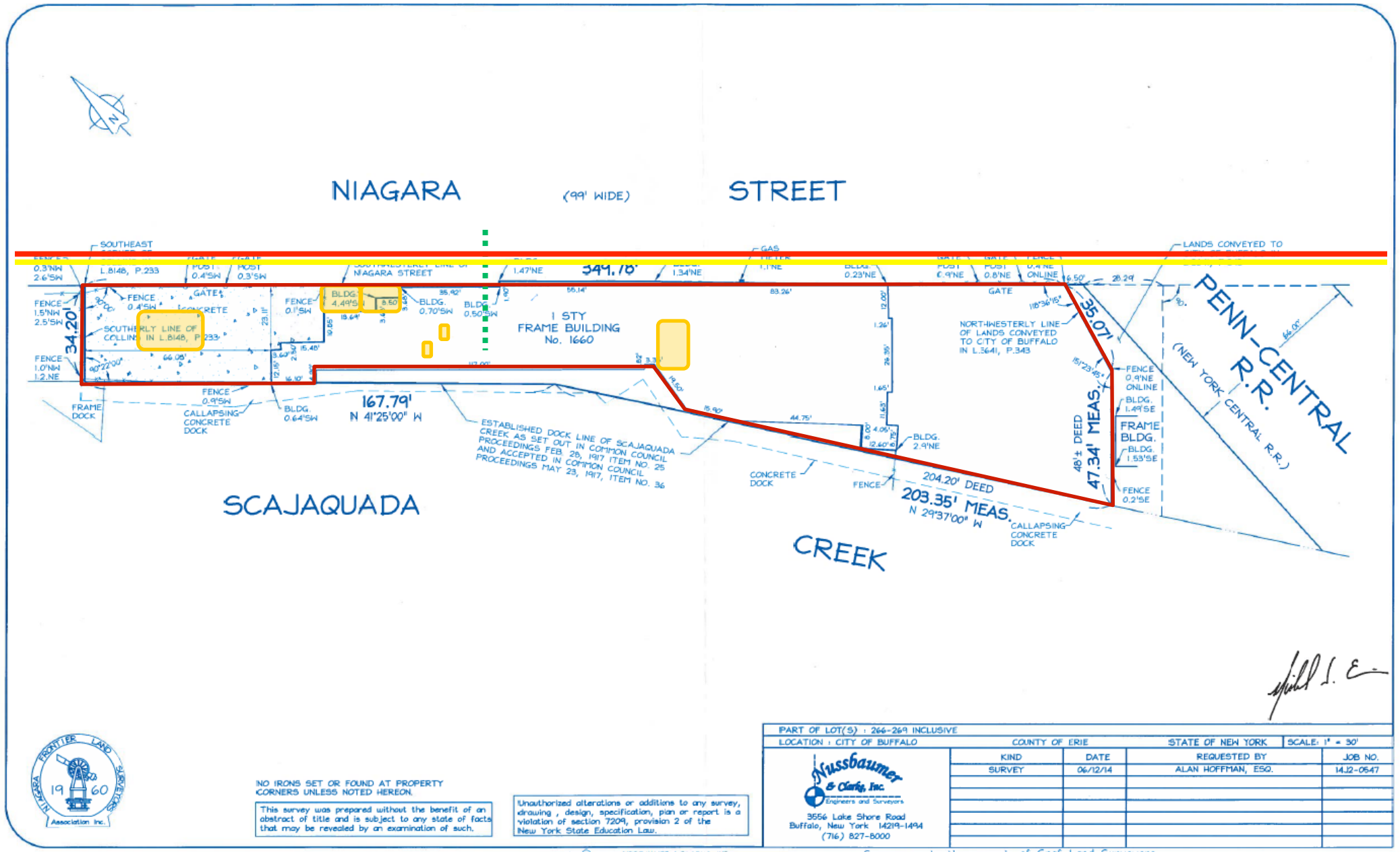
200 ft.

# FIGURE 1
## SITE LOCATION MAP


**NOVA**
**Geophysical Services**
**Subsurface Mapping Solutions**
56-01 Marathon Pkwy, # 765, Douglaston, NY11362
(347) 556-7787 Fax (718) 261-1528
www.nova-gsi.com


**SITE:** **Commercial Property**
1660 Niagara Street
Buffalo, New York 14202

**SCALE:** See Map




NO IRONS SET OR FOUND AT PROPERTY CORNERS UNLESS NOTED HEREON.

This survey was prepared without the benefit of an abstract of title and is subject to any state of facts that may be revealed by an examination of such.

Unauthorized alterations or additions to any survey, drawing, design, specification, plan or report is a violation of section 7209, provision 2 of the New York State Education Law.



PART OF LOT(S) : 266-269 INCLUSIVE
LOCATION : CITY OF BUFFALO | COUNTY OF ERIE | STATE OF NEW YORK | SCALE: 1" = 30'

| KIND | DATE | REQUESTED BY | JOB NO. |
|---|---|---|---|
| SURVEY | 06/12/14 | ALAN HOFFMAN, ESQ. | 14J2-0547 |

Nussbaumer & Clarke, Inc.
Engineers and Surveyors
3556 Lake Shore Road
Buffalo, New York 14219-1494
(716) 827-6000

Successors to the records of Graf Land Surveyors
Successors to the records of James L. Shisler, Land Surveyor

1- All anomalies were marked in the field.

**NOVA**
**Geophysical Services**
Subsurface Mapping Solutions
56-01 Marathon Parkway, PO Box 765
Douglaston, New York11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

## GEOPHYSICAL SURVEY PLAN

SITE : **Commercial Property**
1660 Niagara Street
Buffalo, New York 14202

CLIENT: **LaBella Associates, D.P.C.**
DATE: October 23, 2015
Scale See Map

## INFORMATION

- **Survey Area**
- **Electrical Line**
- **Large Anomaly**
- **Sewer Line**
- **Gas Line**


1- All anomalies were marked in the field.

**NOVA**
**Geophysical Services**
Subsurface Mapping Solutions
56-01 Marathon Parkway, PO Box 765
Douglaston, New York11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

## GEOPHYSICAL SURVEY PLAN

SITE : **Commercial Property**
1660 Niagara Street
Buffalo, New York 14202

CLIENT: **LaBella Associates, D.P.C.**
DATE: October 23, 2015
Scale See Map

**INFORMATION**

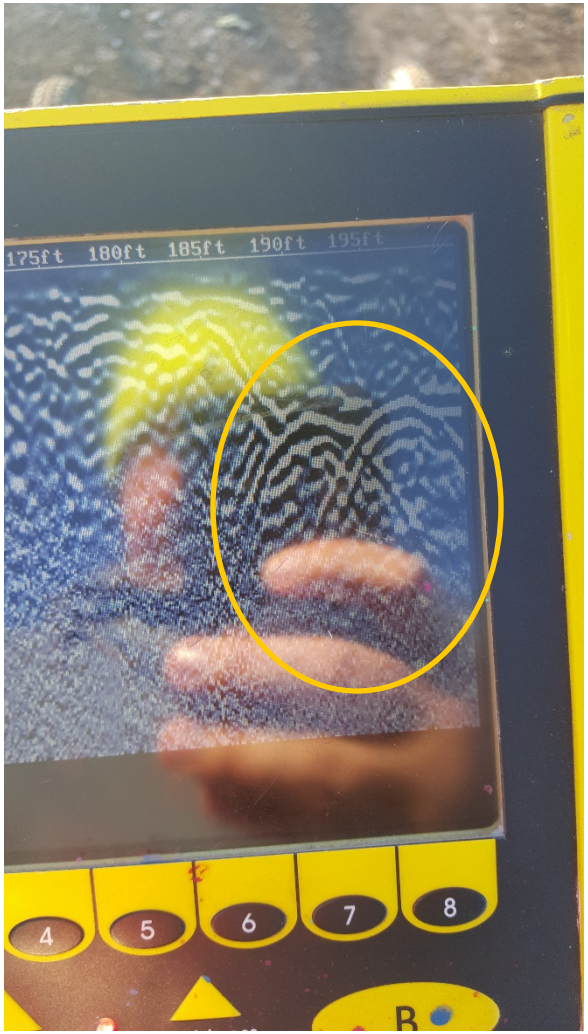
- **Survey Area**
- **Electrical Line**
- **Large Anomaly**
- **Sewer Line**
- **Gas Line**

**50 ft.**

# GEOPHYSICAL IMAGES

**Commercial Property**
1660 Niagara Street
Buffalo, New York 14202
October 23rd, 2015

**GEOPHYSICAL IMAGES**
**Commercial Property**
1660 Niagara Street
Buffalo, New York 14202
October 23rd, 2015




**Reflections indicating potential USTs associated with the two vent pipes.**

LABELLA Associates, D.P.C. | Engineering Architecture Environmental Planning

# APPENDIX 2

**Field Logs**

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 1**
SHEET 1 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 1
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 9:33

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-6": Concrete Slab<br>6"-2': Asphalt intermingled with fill material (slag, brick) | 0 | No odors or staining |
| 2 | | | 2-4': Fill material (slag, brick) intermingled with brown clay (high, plasticity, soft, moist) | 0 | No odors or staining |
| 4 | | | | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million |
| NA | NA | NA | NA | 4' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 2**
SHEET 2 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 2
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 10:05

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-4": Asphalt<br>4"-2': Gravel and sand backfill (for underground storage tanks) | 0 | No odors or staining |
| 2 | | | 2-4': Gravel and sand backfill (for underground storage tanks) | 0 | No odors or staining |
| 4 | | | 4'-6': Brown clay (high plasticity, soft, moist) | 135.6 | Black staining and heavy gasoline odors |
| | | | Two USTs were identified within TP2 including one 1,000-gallon UST (Tank A) and one 2,000-gallon UST (Tank B). Tank A was 48" in diamater while Tank B was 64" in diameter. Tank A had 31.5" of fluid inside of it while Tank B had 8" of fluid inside of it. Based on observations the fuild in each of the USTs appeared to be diluted gasoline (mixed with water). Samples of the fluid from each UST were collected and submitted for analytical testing to confirm the nature of the fluid. PID readings were checked at the fill ports for each UST ranging in concentration from 900-2,000 PPM. At least 3, 1-inch, empty pipes were identified in TP-2 running north-south along the western side-wall of the test pit. The pipes appeared to be running from the USTs to the northern portion of the Site. PID readings at the pipe openings registered at 2 PPM. Approximately 860 gallons of fluid will be removed from the USTs by EPS of Vermont on 11/20/15 for proper disposal. Based on the discovery of the USTs and residual contamination proximate such, a spill was called into the NYSDEC (Spill #1508546). | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million |
| NA | NA | NA | NA | 6' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 3**
SHEET 3 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 3
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 12:10

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-6": Concrete slab<br>6"-2': Sand backfill intermingled with fill materials (slag, brick) | 0 | No odors or staining |
| 2 | | | 2'-4': Brown clay (low plasticity, soft, moist) intermingled with fill materials (slag, brick) | 0 | No odors or staining |
| 4 | | | 4'-6': Brown clay (low plasticity, soft, moist) intermingled with fill materials (slag, brick) | 0 | Slight grease odor. |
| 6 | | | 6'-8': Brown clay (low plasticity, soft, moist) intermingled with fill materials (slag, brick) | 16 | Slight grease odor. |
| 8 | | | 8'-10': Brown clay (low plasticity, soft, moist) intermingled with fill materials (slag, brick) | 110 | Strong hydraulic oil odor proximate western hydraulic cylinder. |
| 10 | | | Two hydraulic lift cylinders and one cylindrical grease pit was identified within this test pit. Residual hydraulic oil was observed to be leaking from the western hydraulic lift cylinder proximate 8'-10' bgs. | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million<br>BGS = Below the Ground Surface |
| NA | NA | NA | NA | 10' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 4**
SHEET 4 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 4
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 13:30

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-6": Concrete slab | | |
| | | | 6"-2': Brown clay (low plasticity, soft, moist) intermingled with fill materials (slag, brick) | 0 | No odors or staining |
| 2 | | | 2'-4.5': Brown clay (low plasticity, soft, moist) intermingled with fill materials (slag, brick) | 0 | No odors or staining |
| 4.5 | | | | | |
| | | | Two, 3-inch pipes were identified within TP-4. The pipes were noted to be filled with concrete and running in an east-west direction coming out of the west side-wall of the test pit. One 1/2-inch copper pipe was also identified within TP-4 running north-south along the eastern side of the test pit. Such appeared to be an empty, water line. | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million |
| NA | NA | NA | NA | 4.5' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 5**
SHEET 5 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 5
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 14:00

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-4": Asphalt<br>4"-2': Fill materials (slag, brick) | 0 | No odors or staining |
| 2 | | | 2'-4': Fill materials (slag, brick) | 0.1 | No odors or staining |
| 4 | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | Refusal was encountered at 4" bgs due to a hard-like slag material. | | |
| | | | | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million<br>BGS = Below the Ground Surface |
| NA | NA | NA | NA | 4' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 6**
SHEET 6 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 6
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 14:30

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-4": Concrete<br>4"-2': Fill materials (slag, wood, brick) | 0 | No odors or staining |
| 2 | | | 2'-4': Brown clay (high plasticity, soft, moist) intermingled with fill materials (slag, wood, brick) | 0 | No odors or staining |
| 4 | | | | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million |
| NA | NA | NA | NA | 4' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 7**
SHEET 7 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 7
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 14:40

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-4": Concrete<br>4"-2': Fill materials (slag, wood, brick) | 0 | No odors or staining |
| 2 | | | 2'-4': Brown clay (high plasticity, soft, moist) intermingled with fill materials (slag, wood, brick) | 0 | No odors or staining |
| 4 | | | | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million |
| NA | NA | NA | NA | 4' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

**TEST PIT: TP - 8**
SHEET 8 OF 8
**JOB: 2151177**
CHKD BY: CK

CONTRACTOR: LaBella Env., LLC
OPERATOR: Rob Yarger
LABELLA REPRESENTATIVE: Chris K.

TEST PIT LOCATION: 8
GROUND SURFACE ELEVATION NA
START DATE: 11/18/15

Time 14:50

TYPE OF EQUIPMENT:

| DEPTH (FEET) | SAMPLE NO. AND DEPTH | STRATA CHANGE (FEET) | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|
| 0 | | | 0-6": Concrete<br>6"-2': Fill materials (slag, wood, brick) | 0 | No odors or staining |
| 2 | | | 2'-4': Brown clay (high plasticity, soft, moist) intermingled with fill materials (slag, wood, brick) | 0 | No odors or staining |
| 4 | | | | | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELAPSED TIME | BOTTOM OF CASING | BOTTOM OF TEST PIT | GROUNDWATER ENCOUNTERED | NA = Not Applicable<br>PPM = Parts Per Million |
| NA | NA | NA | NA | 4' | No | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB1**
SHEET 1 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #1
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 8:45

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 15" | | 0-4": Concrete<br>4"-2': Fill (asphalt, brick, slag) | 0 | No odors or staining. |
| 2 | | 15" | | Fill (asphalt, brick, slag) | 0 | No odors or staining. |
| 4 | | 18" | | 4-5': Brown clay (medium plasticity, moderate stiff, dry)<br>5-6': Fill (brick, slag) | 0 | No odors or staining. |
| 6 | | 18" | | Fill (brick, slag) | 0 | No odors or staining. |
| 8 | | 18" | | 8-9': Fill (brick, slag)<br>9-10': Grey-black sandy silt (high plasticity, moist) | 0 | No odors but heavy black staining observed within fill material. |
| 10 | | 18" | | Grey sandy silt (high plasticity, moist) | 0 | No odors or staining. |
| 12 | | 15" | | Grey sandy silt (high plasticity, moist) | 0 | No odors or staining. |
| 14 | | 15" | | Grey sandy silt (high plasticity, moist) | 0 | No odors or staining. |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED | Boring to 16'. |
| | | | 15.5' | 16' | 6.8' | TPMW #1 installed in this boring. |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

LABELLA Associates, D.P.C.

**300 PEARL STREET, BUFFALO, NY**
**ENVIRONMENTAL ENGINEERING CONSULTANTS**

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB2**
SHEET 2 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #2
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 9:20

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 15" | | 0-6": Concrete<br>6"-2': Fill (brick, slag) | 0 | No odors or staining throughout entire boring. |
| 2 | | 15" | | Fill (slag, brick) | 0 | |
| 4 | | 18" | | Fill (slag, brick) | 0 | |
| 6 | | 18" | | Fill (slag, brick) | 0 | |
| 8 | | 20" | | Brown-grey sandy silt (high plasticity, moist) | 0 | |
| 10 | | 20" | | Brown-grey sandy silt (high plasticity, moist) | 0 | |
| 12 | | 17" | | Grey silty sand (fine, medium dense, moist) | 0 | |
| 14 | | 17" | | Grey silty clay (medium plasticity, moderate stiff, moist) | 0 | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED | Boring to 16'. |
| | | | | | | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB2

LABELLA Associates, D.P.C.

**300 PEARL STREET, BUFFALO, NY**
**ENVIRONMENTAL ENGINEERING CONSULTANTS**

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB3**
SHEET 3 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #3
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 10:15

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE | | | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | | | |
| 0 | | 18" | | 0-6": Concrete<br>6"-2': Fill (asphalt, brick, slag) | 0 | No odors or staining throughout entire boring. |
| 2 | | 18" | | Fill (brick, slag) | 0 | |
| 4 | | 14" | | Brown clay (medium plasticity, moderate stiff, moist) | 0 | |
| 6 | | 14" | | Brown clay (medium plasticity, moderate stiff, moist) | 0 | |
| 8 | | 14" | | Grey silty sand (medium, fine, medium dense, moist) | 0 | |
| 10 | | 14" | | Grey silty sand (medium, fine, medium dense, moist) | 0 | |
| 12 | | 12" | | Grey sandy silt (medium plasticity, moist) | 0 | |
| 14 | | 12" | | Grey sandy silt (medium plasticity, moist) | 0 | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED | Boring to 16'. |
| | | | | | | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB3

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB4**
SHEET 4 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #4
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 10:45

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 14" | | 0-6": Concrete<br>6"-2': Fill (brick, slag) | 0 | No odors or staining throughout entire boring. |
| 2 | | 14" | | Brown silty clay (medium plasticity, moderate stiff, moist) | 0 | |
| 4 | | 14" | | Fill (slag, brick) | 0 | |
| 6 | | 14" | | Fill (slag, brick, asphalt) | 0 | |
| 8 | | 4" | | Fill (slag, brick) | 0 | |
| 10 | | 4" | | Fill (slag, brick) | 0 | |
| 12 | | 21" | | Black-grey sandy silt (medium plasticity, moderate stiff, moist) | 0 | |
| 14 | | 21" | | Grey silty sand (medium, fine, loose, moist) | 0 | |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED | Boring to 16'. |
| | | | 15.3' | 16' | 7' | TPMW #2 installed in this boring. |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

LABELLA Associates, D.P.C.

**300 PEARL STREET, BUFFALO, NY**
**ENVIRONMENTAL ENGINEERING CONSULTANTS**

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB5**
SHEET 5 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #5
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 11:20

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE | | | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | | | |
| 0 | | 10" | | 0-14": Concrete<br>14"-2': Fill (asphalt, brick, slag) | 0 | No odors or staining. |
| 2 | | 10" | | Fill (asphalt, brick, slag) | 0 | No odors or staining. |
| 4 | | 13" | | Fill (slag, brick) | 0 | No odors or staining. |
| 6 | | 13" | | Fill (slag, brick) | 0 | No odors or staining. |
| 8 | | 12" | | Fill (slag, brick) | 725 | Strong gasoline odors and black staining observed in fill material. |

| WATER LEVEL DATA | | | DEPTH (FT) | | |
|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED |
| | | | | | |

NOTES:
Boring to 10' due to equipment refusal.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB5

LABELLA Associates, D.P.C.

**300 PEARL STREET, BUFFALO, NY**
**ENVIRONMENTAL ENGINEERING CONSULTANTS**

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#5SBA**
SHEET 6 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler
BORING LOCATION: #5A
GROUND SURFACE ELEVATION
START DATE: 12/8/2015
TIME 13:50

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 10" | | 0-14": Concrete<br>14"-2': Fill (asphalt, brick, slag) | 0 | No odors or staining. |
| 2 | | 10" | | Fill (asphalt, brick, slag) | 0 | No odors or staining. |
| 4 | | 13" | | Fill (slag, brick) | 0 | No odors or staining. |
| 6 | | 13" | | Fill (slag, brick) | 0 | No odors or staining. |
| 8 | | 12" | | Fill (slag, brick) | 607 | Strong gasoline odors and black staining observed in fill material. |

| WATER LEVEL DATA | | | DEPTH (FT) | | |
|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED |
| | | | | | |

NOTES:
Boring to 10' due to equipment refusal.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB5A

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB6**
SHEET 7 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #6
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 12:30

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 14" | | 0-6": Concrete<br>6"-2': Sand backfill proximate underground storage tank area (medium, fine, loose, dry) | 0 | No odors or staining. |
| 2 | | 14" | | Fill (brick, slag) | 0 | No odors or staining. |
| 4 | | 18" | | Grey-black silty clay (high plasticity, soft, moist) | 140 | Strong gasoline odors and black staining. |
| 6 | | 18" | | Grey-black silty clay (high plasticity, soft, moist) | 216 | Strong gasoline odors and black staining. |
| 8 | | 4" | | Grey-black silty clay (high plasticity, soft, moist) | 104 | Strong gasoline odors and black staining. |
| 10 | | 4" | | Grey-black silty clay (high plasticity, soft, moist) | 93 | Strong gasoline odors and black staining. |
| 12 | | 15" | | Grey sandy silt (high plasticity, moist) | 61 | No staining but slight gasoline odors. |
| 14 | | 15" | | Grey clay (medium plasticity, moderate stiff, moist) | 3 | No odors or staining. |

| WATER LEVEL DATA | | | DEPTH (FT) | | | NOTES: |
|---|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED | Boring to 16'. |
| | | | | | | |

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB6

LABELLA Associates, D.P.C.

300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB7**
SHEET 8 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler
BORING LOCATION: #7
GROUND SURFACE ELEVATION
START DATE: 12/8/2015
TIME 13:00

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 16" | | 0-8": Concrete<br>8"-2': Fill (brick, slag) | 0 | No odors or staining throughout entire boring. |
| 2 | | 16" | | Fill (brick, slag) | 0 | |
| 4 | | 17" | | Fill (brick, slag) | 0 | |
| 6 | | 17" | | Brown clay (medium plasticity, moderate stiff, moist) | 0 | |
| 8 | | 16" | | Brown silty clay (high plasticity, soft, moist) | 0 | |
| 10 | | 16" | | Brown silty clay (medium plasticity, moderate stiff, moist) | 0 | |
| 12 | | 18" | | Grey silty sand (medium, fine, loose, moist) | 0 | |
| 14 | | 18" | | Grey silty clay (medium plasticity, moderate stiff, moist) | 0 | |

| WATER LEVEL DATA | | | DEPTH (FT) | | |
|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED |
| | | | | | |

NOTES:
Boring to 16'.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB7

LABELLA Associates, D.P.C.

**300 PEARL STREET, BUFFALO, NY**
**ENVIRONMENTAL ENGINEERING CONSULTANTS**

**PROJECT**

Buffalo Niagara Riverkeeper

1660 Niagara Street, Buffalo, New York

**BORING:** **#SB8**
SHEET 9 OF 9
**JOB:** **2151177**
CHKD BY: CK

CONTRACTOR:
DRILLER: Nature's Way Environmental
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: #8
GROUND SURFACE ELEVATION
START DATE: 12/8/2015

TIME 14:30

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

| DEPTH | SAMPLE DEPTH | SAMPLE NO. AND RECOVERY | STRATA CHANGE | VISUAL CLASSIFICATION | PID FIELD SCREEN (PPM) | REMARKS |
|---|---|---|---|---|---|---|
| 0 | | 12" | | 0-3": Concrete<br>3"-2': Fill (brick, slag) | 0 | No odors or staining throughout entire boring. |
| 2 | | 12" | | Fill (brick, slag) | 0 | |
| 4 | | 20" | | Fill (brick, slag) | 0 | |
| 6 | | 20" | | Brown clay (low plasticity, stiff, moist) | 0 | |
| 8 | | 16" | | Brown clay (low plasticity, stiff, moist) | 0 | |
| 10 | | 16" | | Grey silty sand (medium, fine, loose, moist) | 0 | |
| 12 | | 10" | | Grey silty sand (medium, fine, loose, moist) | 0 | |
| 14 | | 10" | | Grey silty sand (medium, fine, loose, moist) | 0 | |
| 16 | | 13" | | Grey silty sand (medium, fine, medium dense, moist) | 0 | |
| 18 | | 13" | | Grey silty sand (medium, fine, medium dense, moist) | 0 | |
| 20 | | 22" | | Brown silty sand (medium, fine, loose, wet) | 0 | |
| 22 | | 22" | | Brown silty sand (medium, fine, loose, moist) | 0 | |

| WATER LEVEL DATA | | | DEPTH (FT) | | |
|---|---|---|---|---|---|
| DATE | TIME | ELASPED TIME | BOTTOM OF CASING | BOTTOM OF BORING | GROUNDWATER ENCOUNTERED |
| | | | 22.1' | 24' | 8.1' |

NOTES:
Boring to 24'.

TPMW #3 installed in this boring.

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

**BORING:** #SB8

LABELLA Associates, D.P.C.
300 PEARL STREET, BUFFALO, NEW YORK
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Buffalo Niagara Riverkeeper
1660 Niagara Street, Buffalo, New York

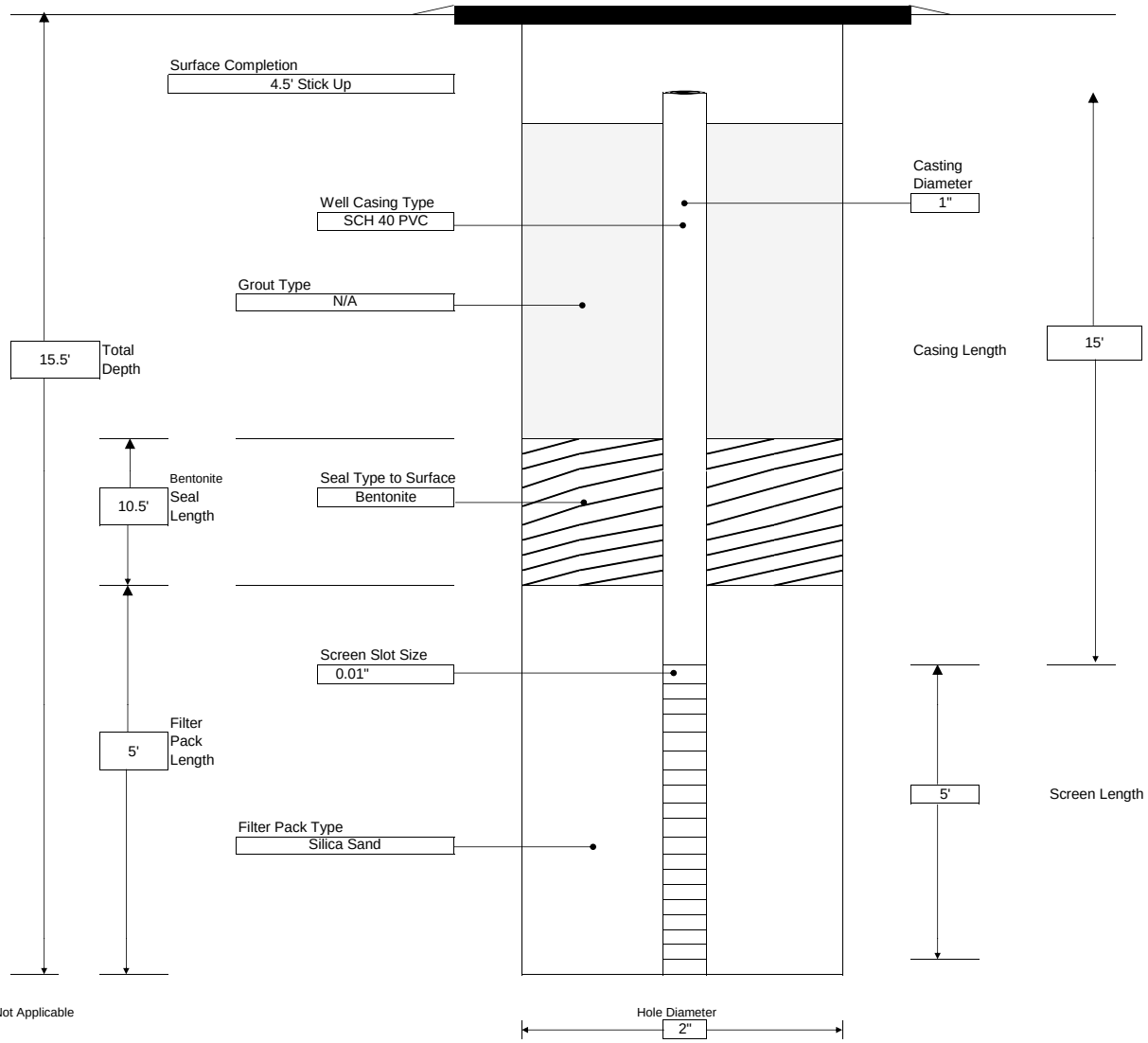
BORING: TPMW1
SHEET 1 OF 3
JOB # 2151177
CHKD. BY: CK

CONTRACTOR: Nature's Way Environmental
DRILLER:
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: SB1
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/11/2015 END DATE:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD: Direct-Push
ROCK DRILLING METHOD: N/A

| WATER LEVEL DATA | | | | |
|---|---|---|---|---|
| DATE | TIME | WATER | CASING | REMARKS |
| | | | | |
| | | | | |
| | | | | |




NA-Not Applicable

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

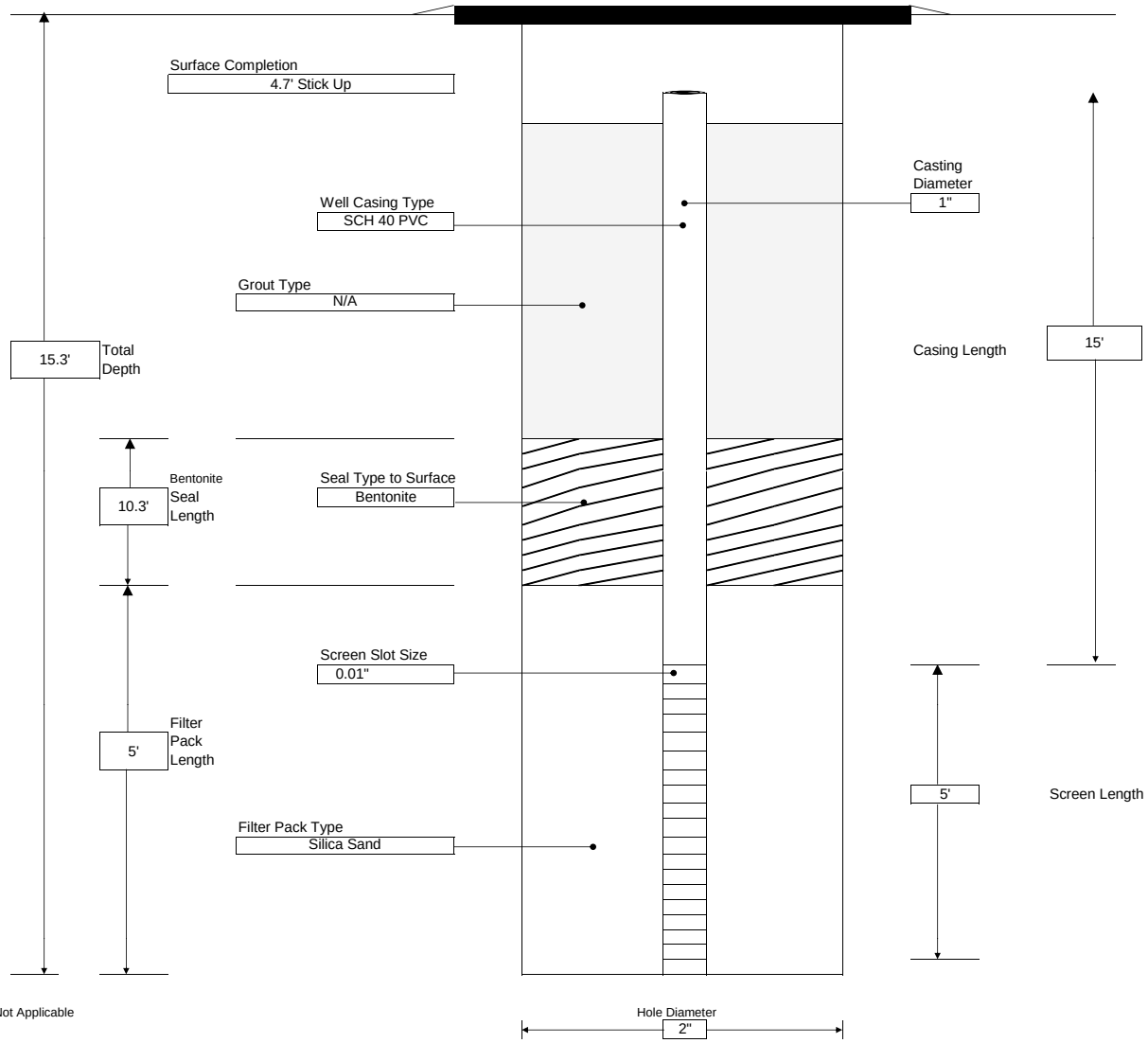
| | | |
|---|---|---|
| LABELLA Associates, D.P.C.<br>300 PEARL STREET, BUFFALO, NEW YORK<br>ENVIRONMENTAL ENGINEERING CONSULTANTS | PROJECT<br>Buffalo Niagara Riverkeeper<br>1660 Niagara Street, Buffalo, New York | BORING: TPMW2<br>SHEET 2 OF 3<br>JOB # 2151177<br>CHKD. BY: CK |

CONTRACTOR: Nature's Way Environmental
DRILLER:
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: SB4
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/11/2015 END DATE:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD: Direct-Push
ROCK DRILLING METHOD: N/A

| WATER LEVEL DATA | | | | |
|---|---|---|---|---|
| DATE | TIME | WATER | CASING | REMARKS |
| | | | | |
| | | | | |
| | | | | |




NA-Not Applicable

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

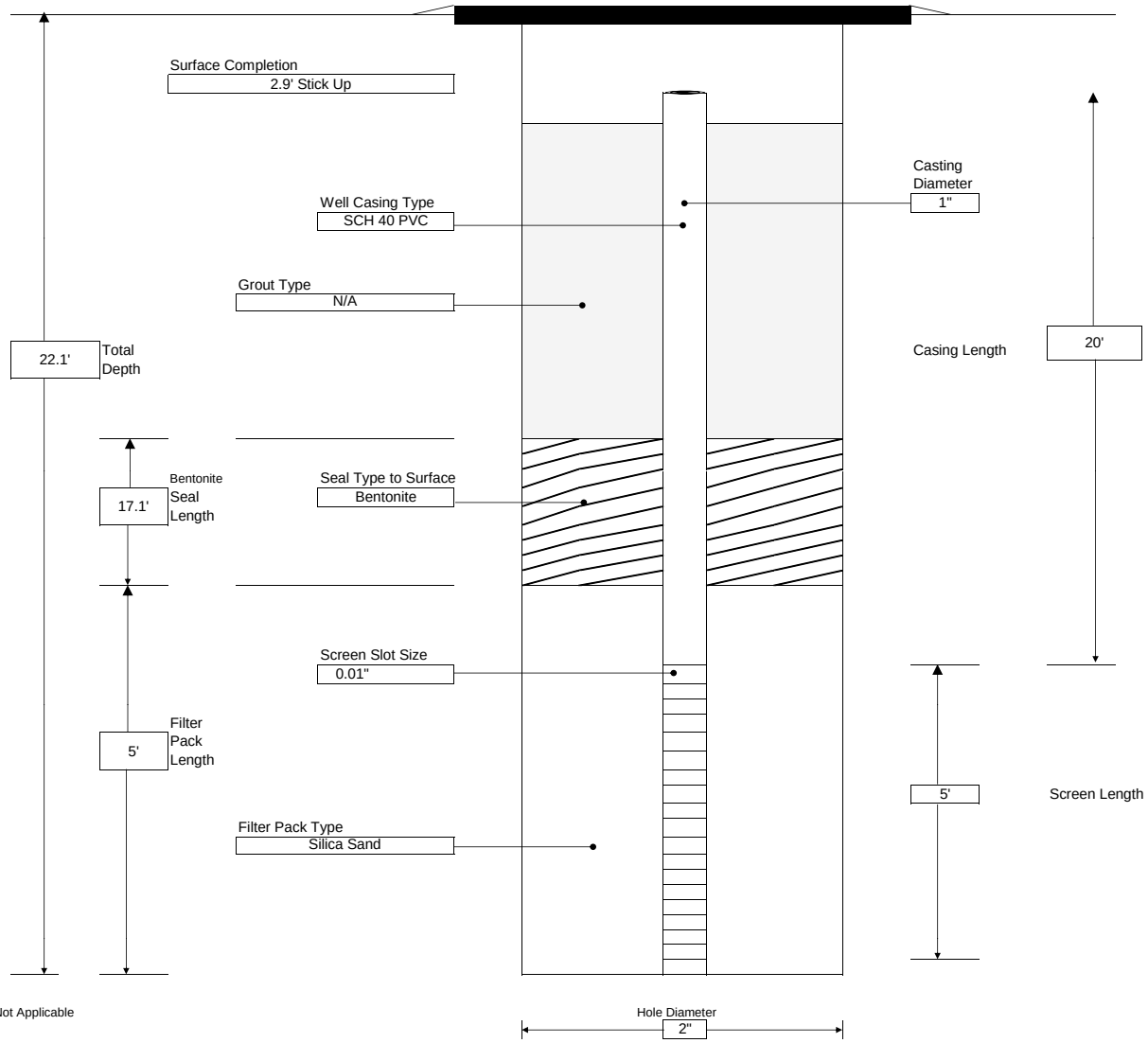
| | | |
|---|---|---|
| LABELLA Associates, D.P.C.<br>300 PEARL STREET, BUFFALO, NEW YORK<br>ENVIRONMENTAL ENGINEERING CONSULTANTS | PROJECT<br>Buffalo Niagara Riverkeeper<br>1660 Niagara Street, Buffalo, New York | BORING: TPMW3<br>SHEET 3 OF 3<br>JOB # 2151177<br>CHKD. BY: CK |

CONTRACTOR: Nature's Way Environmental
DRILLER:
LABELLA REPRESENTATIVE: Chris Kibler

BORING LOCATION: SB8
GROUND SURFACE ELEVATION: DATUM:
START DATE: 12/11/2015 END DATE:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: N/A
OVERBURDEN SAMPLING METHOD: Direct-Push
ROCK DRILLING METHOD: N/A

| WATER LEVEL DATA | | | | |
|---|---|---|---|---|
| DATE | TIME | WATER | CASING | REMARKS |
| | | | | |
| | | | | |
| | | | | |




NA-Not Applicable

GENERAL NOTES:
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

LABELLA Associates, D.P.C.
300 Pearl Street
Buffalo, New York 14202
Telephone: (716) 551-6281
Facsimile: (716) 551-6282

# *GROUNDWATER COLLECTION AND SAMPLE LOG*

**WELL I.D.: TPMW1**

Project Name: Buffalo Niagara Riverkeeper
Location: 1660 Niagara Street, Buffalo, New York
Project No.: 2151177
Sampled By: Chris Kibler
Date: 12/11/15
Weather: Cloudy/Windy, 58°F

## PURGE VOLUME CALCULATION

Well Diameter: 1”
Depth of Well: 15.5’
Static Water Level: 6.8’ bgs
One Well Volume: 0.4 Gallons

## PURGE AND SAMPLING METHOD

☐ Bailer – Type:
☒ Pump – Type: Geotech Geopump II AC/DC Peristaltic Pump
Sampling Device:
Pump Rate:

## FIELD PARAMETER MEASUREMENT

| Time | Gallons Purged | pH | Temp (°C) | Conductivity (mS/cm) | Turbidity (NTU) | Dissolved O2 (mg/L) | Redox (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 12:50 | 0.4 | 7.94 | 13.1 | 0.664 | 240 | 5.12 | -82.9 | |
| 13:10 | 0.1 | 7.82 | 13.4 | 0.691 | 391 | 4.99 | -61.6 | |

Total 0.5 Gallons Purged

Purge Time Start: 12:50
Purge Time End: 13:20

## WELL SAMPLING

Sample I.D.: TPMW1
No. of Containers: Four
Sample Time: 14:45
Sample Preservation: HCL

*Sampled For:*
☒ VOCs - 8260 TCL + CP-51
☒ SVOCs - 8270 CP-51 Only
☐ VOCs - 8260B CP-51 Only
☒ RCRA Metals
☐ PCBs
☐ Other:

## OBSERVATIONS

Notes: Well was installed in SB1. The well was purged dry during the second purge event. The well was allowed to recharge enough for sampling of VOCs, RCRA Metals and a limited sample volume for the CP-51 SVOCs (only half of a 1-liter amber bottle was submitted). As the turbidity in the well was very high, 500 ml were submitted in a non-preservative 1-liter amber bottle for filtered, dissolved metals analysis pertaining to the RCRA Metals requirement. No evidence of impairment was observed during the purging and sampling of this well.

*Recharge Behavior:* ☐ Fast ☐ Moderate ☐ Slow ☒ Purged Dry

LABELLA Associates, D.P.C.
300 Pearl Street
Buffalo, New York 14202
Telephone: (716) 551-6281
Facsimile: (716) 551-6282

# *GROUNDWATER COLLECTION AND SAMPLE LOG*

**WELL I.D.: TPMW2**

Project Name: Buffalo Niagara Riverkeeper
Location: 1660 Niagara Street, Buffalo, New York
Project No.: 2151177
Sampled By: Chris Kibler
Date: 12/11/15
Weather: Cloudy/Windy, 58°F

## PURGE VOLUME CALCULATION

Well Diameter: 1”
Depth of Well: 15.3’
Static Water Level: 7’ bgs
One Well Volume: 0.3 Gallons

## PURGE AND SAMPLING METHOD

☐ Bailer – Type:
☒ Pump – Type: Geotech Geopump II AC/DC Peristaltic Pump
Sampling Device:
Pump Rate:

## FIELD PARAMETER MEASUREMENT

| Time | Gallons Purged | pH | Temp (°C) | Conductivity (mS/cm) | Turbidity (NTU) | Dissolved O2 (mg/L) | Redox (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 11:00 | 0.3 | 7.09 | 13.2 | 1.901 | 48 | 5.13 | 63.7 | |
| 11:30 | 0.3 | 7.21 | 13.6 | 1.892 | 61 | 4.72 | 42.1 | |
| 12:05 | 0.3 | 7.18 | 13.1 | 1.916 | 42 | 5.08 | 30.8 | |

Total 0.9 Gallons Purged

Purge Time Start: 11:00
Purge Time End: 12:20

## WELL SAMPLING

Sample I.D.: TPMW2
No. of Containers: Four
Sample Time: 12:30
Sample Preservation: HCL

*Sampled For:*
☒ VOCs - 8260 TCL + CP-51
☒ SVOCs - 8270 CP-51 Only
☐ VOCs - 8260B CP-51 Only
☒ RCRA Metals
☐ PCBs
☐ Other:

## OBSERVATIONS

Notes: Well was installed in SB4. The well was successfully purged and sampled. No evidence of impairment was observed during the purging and sampling of this well.

*Recharge Behavior:* ☐ Fast ☐ Moderate ☒ Slow ☐ Purged Dry

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Buffalo, New York 14202
Telephone: (716) 551-6281
Facsimile: (716) 551-6282

# *GROUNDWATER COLLECTION AND SAMPLE LOG*

**WELL I.D.: TPMW3**

Project Name: Buffalo Niagara Riverkeeper
Location: 1660 Niagara Street, Buffalo, New York
Project No.: 2151177
Sampled By: Chris Kibler
Date: 12/11/15
Weather: Cloudy/Windy, 58°F

## PURGE VOLUME CALCULATION

Well Diameter: 1”
Depth of Well: 22.1’
Static Water Level: 8.1’ bgs
One Well Volume: 0.6 Gallons

## PURGE AND SAMPLING METHOD

☐ Bailer – Type:
☒ Pump – Type: Geotech Geopump II AC/DC Peristaltic Pump
Sampling Device:
Pump Rate:

## FIELD PARAMETER MEASUREMENT

| Time | Gallons Purged | pH | Temp (°C) | Conductivity (mS/cm) | Turbidity (NTU) | Dissolved O2 (mg/L) | Redox (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 9:07 | 0.6 | 6.94 | 13.2 | 1.846 | 28 | 1.78 | -40 | |
| 9:45 | 0.6 | 6.82 | 13.3 | 1.831 | 27 | 2.34 | -31 | |
| 10:10 | 0.6 | 6.90 | 13.3 | 1.806 | 29 | 2.24 | -16 | |

Total 0.9 Gallons Purged

Purge Time Start: 9:07
Purge Time End: 10:35

## WELL SAMPLING

Sample I.D.: TPMW3
No. of Containers: Four
Sample Time: 10:45
Sample Preservation: HCL

*Sampled For:*
☒ VOCs - 8260 TCL + CP-51
☒ SVOCs - 8270 CP-51 Only
☐ VOCs - 8260B CP-51 Only
☒ RCRA Metals
☐ PCBs
☐ Other:

## OBSERVATIONS

Notes: Well was installed in SB8. The well was successfully purged and sampled. No evidence of impairment was observed during the purging and sampling of this well.

*Recharge Behavior:* ☐ Fast ☐ Moderate ☒ Slow ☐ Purged Dry

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

**24-Hour Emergency Phone Number**
**1-800-843-8265**

Please print or type

# BILL OF LADING

1. Document No.: BUF 4642
2. Page 1 of

3. Generator's Name and Mailing Address: BNRLT, 1660 NIAGARA STREET, BUFFALO, NY 14203
Site Address: SAME
4. Generator's Phone ( 716 ) 873-2115
5. Transporter 1 Company Name: ENVIRONMENTAL PROD + SVCS OF VT, INC.
6. NYR000115733
A. State Transporter's ID: 33108 (VT)
B. Transporter 1 Phone: 800-843-8265
7. Transporter 2 Company Name
8.
C. State Transporter's ID
D. Transporter 2 Phone
9. Designated Facility Name and Site Address: ENVIRONMENTAL PROD + SVCS OF VT, INC. 532 STATE FAIR BLVD SYRACUSE, NY 13204
10. NYR000115733
E. State Facility's ID
F. Facility's Phone: 800-843-8265

| HM | 11. Shipping Name | 12. Containers No. | 12. Containers Type | 13. Total Quantity | 14. Unit Wt./Vol. |
|---|---|---|---|---|---|
| X | a. UN1203, GASOLINE MIXTURE 3, PG II | 1 | TT | 857 | G |
| | b. | | | | |
| | c. | | | | |
| | d. | | | | |

GENERATOR

G. Additional Descriptions for Materials Listed Above
APP#: 1115199-GT, ERG #128

15. Special Handling Instructions and Additional Information
1) Shipped as product for recycle. JOB #: B4177

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

| Printed/Typed Name | Signature | Date (Month Day Year) |
|---|---|---|
| Joshua Konarz | | 11 20 15 |

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Date (Month Day Year) |
|---|---|---|
| JOHNNY ELSBerry | Johnny Elsberry | 11 20 15 |

18. Transporter 2 Acknowledgement of Receipt of Materials

| Printed/Typed Name | Signature | Date (Month Day Year) |
|---|---|---|
| | | |

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

| Printed/Typed Name | Signature | Date (Month Day Year) |
|---|---|---|
| | | |

BILL OF LADING

ARO-GRAPH CORP. (315) 463-8693

LABELLA Associates, P.C. | Engineering Architecture Environmental Planning

# APPENDIX 3

**Laboratory Reports**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

**PROJECT NAME : 1660 NIAGARA STREET, BUFFALO, NY**

**LABELLA ASSOCIATES P.C.**

**300 State Street**

**Suite 201**

**Rochester, NY - 14614**

**Phone No: 585-295-6253**

**ORDER ID : G4527**

**ATTENTION : Adam Zebrowski**

DoD ELAP

CHEMTECH

Table Of Contents for G4527

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Cover Page

**Order ID :** G4527

**Project ID :** 1660 Niagara Street, Buffalo, NY

**Client :** LaBella Associates P.C.

| Lab Sample Number | Client Sample Number |
|---|---|
| G4527-01 | TP2(4-6) |
| G4527-02 | TP3(7-9) |
| G4527-03 | TP4(2-4) |
| G4527-04 | TP1(2-4) |
| G4527-05 | TP5(2-4) |
| G4527-06 | TP6(1-3) |
| G4527-07 | TP7(2-4) |
| G4527-08 | TP8(2-4) |
| G4527-09 | TP3(GREASE CYLINDER) |
| G4527-11 | TB |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

**APPROVED**

Date: 12/4/2015

*By Mildred V Reyes, QAQC Supervisor at 10:51 am, Dec 04, 2015*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for VOCMS Group1.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator.The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOCMS Group1 was based on method 8260C.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for TP4(2-4) [4-Bromofluorobenzene - 29%].
The Internal Standards Areas met the acceptable requirements except for SS-1AMS, SS-1AMSD, TP4(2-4) and TP4(2-4)RE.
The Retention Times were acceptable for all samples.
The MS {G4508-02MS} with File ID: VD047668.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[173%], 1,2,4-Trimethylbenzene[144%], 1,3,5-Trimethylbenzene[156%], Isopropylbenzene[189%], N-propylbenzene[157%], p-Isopropyltoluene[135%], Sec-butylbenzene[142%] and tert-Butylbenzene[173%] .
The MSD {G4508-03MSD} with File ID: VD047669.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[157%], 1,2,4-Trichlorobenzene[36%], 1,2,4-Trimethylbenzene[140%], 1,3,5-Trimethylbenzene[151%], Isopropylbenzene[173%], N-propylbenzene[151%] and tert-Butylbenzene[147%] .
The RPD for {G4508-03MSD} with File ID: VD047669.D recoveries met criteria except for 1,2,4-Trichlorobenzene[26%], 2-Butanone[21%] and Acetone[30%] .

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The RPD for {VN1202WBSD01} with File ID: VN029213.D recoveries met criteria except for Bromomethane[28%],Methyl Acetate[29%], Methylene Chloride[21%], 2-Butanone[28%],Bromochloromethane[28%], 4-Methyl-2-Pentanone[22%], ,1,2,2-Tetrachloroethane[22%], 1,2-Dibromo-3-Chloropropane[21%] and 1,4-Dioxane[40%]
The Blank Spike for {VD1201SBS01} with File ID: VD047772.D met requirements for all samples except for Bromochloromethane[134%], cis-1,3-Dichloropropene[129%] .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis indicated presence of Methylene Chloride[7.4 ug/Kg] FileID:VD047666.D{VD1124SBL01}, Methylene Chloride[3.1 ug/Kg] FileID:VD047688.D{VD1125SBL01} due to possible lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82D111915S.M) for 4-Methyl-2-Pentanone, cis-1,3-Dichloropropene, Dibromochloromethane, Bromoform, these compound are passing on Linear regression
The %RSD is greater than 15% in the Initial Calibration (Method 82D113015S.M) for Methylene Chloride, , this compound is passing on Linear regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82N112115W.M) for Bromomethane, Cyclohexane, Naphthalene these compound are passing on Linear regression
The Continuous Calibration File ID VD047687.D met the requirements except for Methylene Chloride,2-Hexanone, 1,2-Dibromoethane and n-propylbenzene .
The Continuous Calibration File ID VD047770.D met the requirements except for 4-Bromofluorobenzene .
.
The Tuning criteria met requirements.

**E. Additional Comments:**

**F. Manual Integration Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

CHEMTECH
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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: TCLP VOA**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for TCLP VOA.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator.The analysis of TCLP VOA was based on method 8260C and TCLP extraction method was 1311.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.
Samples TP3(GREASE CYLINDER) was diluted due to bad matrix.

**E. Additional Comments:**

**F. Manual Integration Comments:**

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Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

CHEMTECH
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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: SVOCMS Group1**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for SVOCMS Group1.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group1 was based on method 8270D and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD for {G4559-07MSD} with File ID: BF083283.D recoveries met criteria except for 1,1-Biphenyl[32%], 1,2,4,5-Tetrachlorobenzene[34%], 2,2-oxybis(1-Chloropropane)[21%], 2,3,4,6-Tetrachlorophenol[27%], 2,4,6-Trichlorophenol[27%], 2,4-Dimethylphenol[30%], 2,6-Dinitrotoluene[25%], 2-Chloronaphthalene[27%], 2-Methylnaphthalene[25%], 2-Nitroaniline[29%], 2-Nitrophenol[21%], 3+4-Methylphenols[24%], 4,6-Dinitro-2-methylphenol[32%], 4-Bromophenyl-phenylether[21%], 4-Chlorophenyl-phenylether[27%], 4-Nitroaniline[40%], 4-Nitrophenol[41%], Acenaphthene[21%], Acenaphthylene[27%], Acetophenone[27%], Atrazine[35%], Benzaldehyde[25%], Benzo(a)anthracene[21%], Benzo(a)pyrene[22%], Benzo(b)fluoranthene[25%], Benzo(g,h,i)perylene[27%], Carbazole[21%], Dibenz(a,h)anthracene[27%], Dibenzofuran[32%], Dimethylphthalate[43%], Di-n-butylphthalate[21%], Di-n-octyl phthalate[22%], Fluoranthene[21%], Fluorene[21%], Hexachlorobenzene[27%], Hexachlorocyclopentadiene[31%], Hexachloroethane[21%], Indeno(1,2,3-cd)pyrene[27%], Naphthalene[21%], Nitrobenzene[21%], N-Nitroso-di-n-

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propylamine[25%], N-Nitrosodiphenylamine[25%], Pentachlorophenol[26%], Phenanthrene[27%] and Phenol[24%] .
The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF112115.M) for Benzaldehyde this compounds is passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 8270-BF113015.M) for Benzaldehyde and 2,4-Dinitrophenol these compounds are passing on Quadratic regressio
The Continuous Calibration File ID BF083275.D met the requirements except for 2,2-oxybis(1-Chloropropane) .
The Tuning criteria met requirements.

**E. Additional Comments:**
.

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes __

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: TCLP BNA**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for TCLP BNA.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of TCLP BNA was based on method 8270D and extraction was done based on method 3510 and TCLP extraction method was 1311.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {G4518-02MS} with File ID: BF083255.D recoveries met the requirements for all compounds except for Pyridine[62%] .
The MSD {G4518-03MSD} with File ID: BF083256.D recoveries met the acceptable requirements except for Pyridine[52%] .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

**E. Additional Comments:**

**F. Manual Integration Comments:**

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.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: PCB**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for PCB.

**C. Analytical Techniques:**
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for TP3(7-9) [Decachlorobiphenyl(1) - 44%, Decachlorobiphenyl(2) - 44%], TP3(7-9)RE [Decachlorobiphenyl(1) - 42%, Decachlorobiphenyl(2) - 43%], TP3(GREASE CYLINDER) [Decachlorobiphenyl(1) - 37%, Decachlorobiphenyl(2) - 35%], TP3(GREASE CYLINDER)RE [Decachlorobiphenyl(1) - 32% and Decachlorobiphenyl(2) - 32%].
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID PO025949.D met the requirements except for Aroclor-1260(Peak-03,04,05) is failing in 1st column but passing in 2nd column while Decachlorobiphenyl is failing in 2nd column but passing in 1st column..

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The Continuous Calibration File ID PO025961.D met the requirements except for Aroclor-1260(Peak-01) is failing in 1st column but passing in 2nd column. .

**E. Additional Comments:**

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: TPH GC**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for TPH GC.

**C. Analytical Techniques:**
The analyses were performed on instrument FID_E. The column is RTX5 which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis of TPH GC was based on method 8015B and extraction was done based on method 3541

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for TP3(GREASE CYLINDER)[0%].
The Retention Times were acceptable for all samples.
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

**E. Additional Comments:**

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: Metals ICP-RCRA, Mercury**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for Metals ICP-RCRA, Mercury.

**C. Analytical Techniques:**
The analysis of Metals ICP-RCRA was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
Samples TP3(7-9) and TP4(2-4) were diluted due to high concentrations for Mercury.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike(FILL-DIRT-1MS) analysis met criteria for all samples except for Selenium and Silver.
The Matrix Spike Duplicate(FILL-DIRT-1MSD) analysis met criteria for all samples except for Selenium and Silver.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution(FILL-DIRT-1L) met criteria for all samples except for Chromium.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ Mildred V Reyes ___

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: TCLP Mercury, TCLP ICP Metals**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for TCLP Mercury,TCLP ICP Metals.

**C. Analytical Techniques:**
The analysis of TCLP ICP Metals was based on method 6010B, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4527**
**Test Name: Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide**

**A. Number of Samples and Date of Receipt:**
9 Solid samples were received on 11/20/2015.
1 Water sample was received on 11/20/2015.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-RCRA, METALS RCRA, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TPH GC and VOCMS Group1. This data package contains results for Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide.

**C. Analytical Techniques:**
The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045C.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes _

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015*

# DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** G4527

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**1st Level QA Review Signature:** POONAM PATEL **Date:** 12/04/2015

**2nd Level QA Review Signature:** Mildred V Reyes **Date:**

APPROVED
By Mildred V Reyes, QAQC Supervisor at 10:50 am, Dec 04, 2015

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4527

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **TP2(4-6)** | | | | | | | | |
| G4527-01 | TP2(4-6) | SOIL | Methylene Chloride | 50.00 | | 0.68 | 0.68 | 6.8 | ug/Kg |
| | | | **Total Voc :** | 50 | | | | | |
| | | | **Total Concentration:** | 50 | | | | | |
| **Client ID:** | **TP3(7-9)** | | | | | | | | |
| G4527-02 | TP3(7-9) | SOIL | Acetone | 62.20 | | 3.4 | 3.4 | 33.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | Methylene Chloride | 14.80 | B | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | Cyclohexane | 16.80 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | 2-Butanone | 9.20 | J | 4.2 | 10.1 | 33.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | Methylcyclohexane | 63.90 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | Toluene | 3.50 | J | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | m/p-Xylenes | 11.60 | J | 0.97 | 1.3 | 13.5 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | o-Xylene | 6.70 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | Isopropylbenzene | 4.40 | J | 0.65 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | n-propylbenzene | 5.70 | J | 0.49 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | 1,3,5-Trimethylbenzene | 5.40 | J | 0.61 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | tert-Butylbenzene | 4.80 | J | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | 1,2,4-Trimethylbenzene | 18.50 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| G4527-02 | TP3(7-9) | SOIL | sec-Butylbenzene | 8.70 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| | | | **Total Voc :** | 236.2 | | | | | |
| | | | **Total Concentration:** | 236.2 | | | | | |
| **Client ID:** | **TP4(2-4)** | | | | | | | | |
| G4527-03 | TP4(2-4) | SOIL | Acetone | 25.90 | J | 4.1 | 4.1 | 40.8 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | Methylene Chloride | 16.80 | B | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | Chloroform | 1.80 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | Trichloroethene | 5.50 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | Toluene | 4.40 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | Tetrachloroethene | 2.70 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | m/p-Xylenes | 10.60 | J | 1.2 | 1.6 | 16.3 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | o-Xylene | 4.50 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | 1,3,5-Trimethylbenzene | 2.80 | J | 0.74 | 0.82 | 8.2 | ug/Kg |
| G4527-03 | TP4(2-4) | SOIL | 1,2,4-Trimethylbenzene | 4.90 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| | | | **Total Voc :** | 79.9 | | | | | |
| | | | **Total Concentration:** | 79.9 | | | | | |
| **Client ID:** | **TP4(2-4)RE** | | | | | | | | |
| G4527-03RE | TP4(2-4)RE | SOIL | Acetone | 8.30 | J | 4.1 | 4.1 | 41 | ug/Kg |
| G4527-03RE | TP4(2-4)RE | SOIL | Methylene Chloride | 4.30 | JB | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03RE | TP4(2-4)RE | SOIL | Chloroform | 1.80 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03RE | TP4(2-4)RE | SOIL | Trichloroethene | 4.10 | J | 0.82 | 0.82 | 8.2 | ug/Kg |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4527

**Client:** LaBella Associates P.C.



| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| G4527-03RE | TP4(2-4)RE | SOIL | Toluene | 2.70 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| G4527-03RE | TP4(2-4)RE | SOIL | m/p-Xylenes | 4.10 | J | 1.2 | 1.6 | 16.4 | ug/Kg |
| | | | **Total Voc :** | 25.3 | | | | | |
| | | | **Total Concentration:** | 25.3 | | | | | |

# SAMPLE DATA

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 26.5 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047791.D | 1 | | 12/01/15 20:50 | VD120115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 74-87-3 | Chloromethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 74-83-9 | Bromomethane | 1.4 | U | 1.4 | 1.4 | 6.8 | ug/Kg |
| 75-00-3 | Chloroethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 67-64-1 | Acetone | 3.4 | U | 3.4 | 3.4 | 34 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.4 | U | 1.4 | 1.4 | 6.8 | ug/Kg |
| 75-09-2 | Methylene Chloride | 50 | | 0.68 | 0.68 | 6.8 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 78-93-3 | 2-Butanone | 10.2 | U | 4.2 | 10.2 | 34 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.68 | UQ | 0.68 | 0.68 | 6.8 | ug/Kg |
| 67-66-3 | Chloroform | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 71-43-2 | Benzene | 0.68 | U | 0.52 | 0.68 | 6.8 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.68 | U | 0.35 | 0.68 | 6.8 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.4 | U | 3.4 | 3.4 | 34 | ug/Kg |
| 108-88-3 | Toluene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.68 | UQ | 0.68 | 0.68 | 6.8 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 26.5 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047791.D | 1 | | 12/01/15 20:50 | VD120115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.4 | U | 1.2 | 1.4 | 6.8 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.4 | U | 3.4 | 3.4 | 34 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.4 | U | 0.98 | 1.4 | 13.6 | ug/Kg |
| 95-47-6 | o-Xylene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 100-42-5 | Styrene | 0.68 | U | 0.61 | 0.68 | 6.8 | ug/Kg |
| 75-25-2 | Bromoform | 2 | U | 1 | 2 | 6.8 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.68 | U | 0.65 | 0.68 | 6.8 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.68 | U | 0.63 | 0.68 | 6.8 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.68 | U | 0.49 | 0.68 | 6.8 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.68 | U | 0.61 | 0.68 | 6.8 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.68 | U | 0.39 | 0.68 | 6.8 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.68 | U | 0.5 | 0.68 | 6.8 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.68 | U | 0.56 | 0.68 | 6.8 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.68 | U | 0.63 | 0.68 | 6.8 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.8 | U | 1.2 | 6.8 | 6.8 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.68 | U | 0.68 | 0.68 | 6.8 | ug/Kg |
| 91-20-3 | Naphthalene | 0.68 | U | 0.61 | 0.68 | 6.8 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.4 | U | 0.68 | 1.4 | 6.8 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 140 | U | 140 | 140 | 140 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.8 | | 56 - 120 | | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.4 | | 57 - 135 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 39.9 | | 67 - 123 | | 80% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 62 | | 33 - 141 | | 124% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 26.5 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047791.D | 1 | | 12/01/15 20:50 | VD120115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 446265 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 717231 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 537378 | 11.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 195325 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 25.9 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047673.D | 1 | | 11/24/15 17:01 | VD112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 74-87-3 | Chloromethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 74-83-9 | Bromomethane | 1.3 | U | 1.3 | 1.3 | 6.7 | ug/Kg |
| 75-00-3 | Chloroethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 67-64-1 | Acetone | 62.2 | | 3.4 | 3.4 | 33.7 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.3 | U | 1.3 | 1.3 | 6.7 | ug/Kg |
| 75-09-2 | Methylene Chloride | 14.8 | B | 0.67 | 0.67 | 6.7 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 110-82-7 | Cyclohexane | 16.8 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| 78-93-3 | 2-Butanone | 9.2 | J | 4.2 | 10.1 | 33.7 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 67-66-3 | Chloroform | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 63.9 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| 71-43-2 | Benzene | 0.67 | U | 0.51 | 0.67 | 6.7 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.67 | U | 0.35 | 0.67 | 6.7 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.4 | U | 3.4 | 3.4 | 33.7 | ug/Kg |
| 108-88-3 | Toluene | 3.5 | J | 0.67 | 0.67 | 6.7 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 25.9 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047673.D | 1 | | 11/24/15 17:01 | VD112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.3 | U | 1.2 | 1.3 | 6.7 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.4 | U | 3.4 | 3.4 | 33.7 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 11.6 | J | 0.97 | 1.3 | 13.5 | ug/Kg |
| 95-47-6 | o-Xylene | 6.7 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| 100-42-5 | Styrene | 0.67 | U | 0.61 | 0.67 | 6.7 | ug/Kg |
| 75-25-2 | Bromoform | 2 | U | 1 | 2 | 6.7 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 4.4 | J | 0.65 | 0.67 | 6.7 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.67 | U | 0.62 | 0.67 | 6.7 | ug/Kg |
| 103-65-1 | n-propylbenzene | 5.7 | J | 0.49 | 0.67 | 6.7 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 5.4 | J | 0.61 | 0.67 | 6.7 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 4.8 | J | 0.67 | 0.67 | 6.7 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 18.5 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 8.7 | | 0.67 | 0.67 | 6.7 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.67 | U | 0.39 | 0.67 | 6.7 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.67 | U | 0.5 | 0.67 | 6.7 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.67 | U | 0.55 | 0.67 | 6.7 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.67 | U | 0.62 | 0.67 | 6.7 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.7 | U | 1.2 | 6.7 | 6.7 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.67 | U | 0.67 | 0.67 | 6.7 | ug/Kg |
| 91-20-3 | Naphthalene | 0.67 | U | 0.61 | 0.67 | 6.7 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.3 | U | 0.67 | 1.3 | 6.7 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 130 | U | 130 | 130 | 130 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.3 | | 56 - 120 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 57 - 135 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 46.6 | | 67 - 123 | | 93% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 41 | | 33 - 141 | | 82% | SPK: 50 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 25.9 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047673.D | 1 | | 11/24/15 17:01 | VD112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 501475 | 6.26 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 761770 | 7.38 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 620126 | 11.55 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 184555 | 13.89 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047674.D | 1 | | 11/24/15 17:27 | VD112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 74-87-3 | Chloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 74-83-9 | Bromomethane | 1.6 | U | 1.6 | 1.6 | 8.2 | ug/Kg |
| 75-00-3 | Chloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 67-64-1 | Acetone | 25.9 | J | 4.1 | 4.1 | 40.8 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.6 | U | 1.6 | 1.6 | 8.2 | ug/Kg |
| 75-09-2 | Methylene Chloride | 16.8 | B | 0.82 | 0.82 | 8.2 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 78-93-3 | 2-Butanone | 12.3 | U | 5.1 | 12.3 | 40.8 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 67-66-3 | Chloroform | 1.8 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 71-43-2 | Benzene | 0.82 | U | 0.62 | 0.82 | 8.2 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 79-01-6 | Trichloroethene | 5.5 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.82 | U | 0.42 | 0.82 | 8.2 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 4.1 | U | 4.1 | 4.1 | 40.8 | ug/Kg |
| 108-88-3 | Toluene | 4.4 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047674.D | 1 | | 11/24/15 17:27 | VD112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.6 | U | 1.5 | 1.6 | 8.2 | ug/Kg |
| 591-78-6 | 2-Hexanone | 4.1 | U | 4.1 | 4.1 | 40.8 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 2.7 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 10.6 | J | 1.2 | 1.6 | 16.3 | ug/Kg |
| 95-47-6 | o-Xylene | 4.5 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 100-42-5 | Styrene | 0.82 | U | 0.74 | 0.82 | 8.2 | ug/Kg |
| 75-25-2 | Bromoform | 2.5 | U | 1.2 | 2.5 | 8.2 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.82 | U | 0.78 | 0.82 | 8.2 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.82 | U | 0.75 | 0.82 | 8.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.82 | U | 0.59 | 0.82 | 8.2 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 2.8 | J | 0.74 | 0.82 | 8.2 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 4.9 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.82 | U | 0.47 | 0.82 | 8.2 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.82 | U | 0.6 | 0.82 | 8.2 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.82 | U | 0.67 | 0.82 | 8.2 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.82 | U | 0.75 | 0.82 | 8.2 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 8.2 | U | 1.4 | 8.2 | 8.2 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 91-20-3 | Naphthalene | 0.82 | U | 0.74 | 0.82 | 8.2 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.6 | U | 0.82 | 1.6 | 8.2 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 160 | U | 160 | 160 | 160 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.6 | | 56 - 120 | | 95% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 66.5 | | 57 - 135 | | 133% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 42.7 | | 67 - 123 | | 85% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 14.6 | * | 33 - 141 | | 29% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047674.D | 1 | | 11/24/15 17:27 | VD112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 413587 | 6.26 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 510690 | 7.39 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 241346 | 11.54 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 31422 | 13.89 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4)RE | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047697.D | 1 | | 11/25/15 15:44 | VD112515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 74-87-3 | Chloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 74-83-9 | Bromomethane | 1.6 | U | 1.6 | 1.6 | 8.2 | ug/Kg |
| 75-00-3 | Chloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 67-64-1 | Acetone | 8.3 | J | 4.1 | 4.1 | 41 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.6 | U | 1.6 | 1.6 | 8.2 | ug/Kg |
| 75-09-2 | Methylene Chloride | 4.3 | JB | 0.82 | 0.82 | 8.2 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 78-93-3 | 2-Butanone | 12.3 | U | 5.1 | 12.3 | 41 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 67-66-3 | Chloroform | 1.8 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 71-43-2 | Benzene | 0.82 | U | 0.62 | 0.82 | 8.2 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 79-01-6 | Trichloroethene | 4.1 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.82 | U | 0.43 | 0.82 | 8.2 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 4.1 | U | 4.1 | 4.1 | 41 | ug/Kg |
| 108-88-3 | Toluene | 2.7 | J | 0.82 | 0.82 | 8.2 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4)RE | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047697.D | 1 | | 11/25/15 15:44 | VD112515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.6 | U | 1.5 | 1.6 | 8.2 | ug/Kg |
| 591-78-6 | 2-Hexanone | 4.1 | U | 4.1 | 4.1 | 41 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 4.1 | J | 1.2 | 1.6 | 16.4 | ug/Kg |
| 95-47-6 | o-Xylene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 100-42-5 | Styrene | 0.82 | U | 0.74 | 0.82 | 8.2 | ug/Kg |
| 75-25-2 | Bromoform | 2.5 | U | 1.2 | 2.5 | 8.2 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.82 | U | 0.79 | 0.82 | 8.2 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.82 | U | 0.75 | 0.82 | 8.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.82 | U | 0.59 | 0.82 | 8.2 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.82 | U | 0.74 | 0.82 | 8.2 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.82 | U | 0.48 | 0.82 | 8.2 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.82 | U | 0.61 | 0.82 | 8.2 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.82 | U | 0.67 | 0.82 | 8.2 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.82 | U | 0.75 | 0.82 | 8.2 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 8.2 | U | 1.4 | 8.2 | 8.2 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.82 | U | 0.82 | 0.82 | 8.2 | ug/Kg |
| 91-20-3 | Naphthalene | 0.82 | U | 0.74 | 0.82 | 8.2 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.6 | U | 0.82 | 1.6 | 8.2 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 160 | U | 160 | 160 | 160 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.2 | | 56 - 120 | | 88% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 58.5 | | 57 - 135 | | 117% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.1 | | 67 - 123 | | 96% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 21.6 | | 33 - 141 | | 43% | SPK: 50 |

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4)RE | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD047697.D | 1 | | 11/25/15 15:44 | VD112515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 428762 | 6.23 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 540798 | 7.37 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 333812 | 11.52 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 65339 | 13.87 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TB | SDG No.: | G4527 |
| Lab Sample ID: | G4527-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029194.D | 1 | | 12/02/15 11:50 | VN120215 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 74-87-3 | Chloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 74-83-9 | Bromomethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-00-3 | Chloroethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 67-64-1 | Acetone | 2.5 | U | 0.5 | 2.5 | 25 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 79-20-9 | Methyl Acetate | 2 | U | 0.2 | 2 | 5 | ug/L |
| 75-09-2 | Methylene Chloride | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 110-82-7 | Cyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 78-93-3 | 2-Butanone | 2.5 | U | 1.3 | 2.5 | 25 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 74-97-5 | Bromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 67-66-3 | Chloroform | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.75 | U | 0.4 | 0.75 | 5 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 71-43-2 | Benzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.75 | U | 0.48 | 0.75 | 5 | ug/L |
| 79-01-6 | Trichloroethene | 0.5 | U | 0.28 | 0.5 | 5 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.5 | U | 2.1 | 2.5 | 25 | ug/L |
| 108-88-3 | Toluene | 0.5 | U | 0.37 | 0.5 | 5 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.5 | U | 0.29 | 0.5 | 5 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TB | SDG No.: | G4527 |
| Lab Sample ID: | G4527-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029194.D | 1 | | 12/02/15 11:50 | VN120215 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 0.5 | U | 0.38 | 0.5 | 5 | ug/L |
| 591-78-6 | 2-Hexanone | 3.8 | U | 1.9 | 3.8 | 25 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.5 | U | 0.27 | 0.5 | 5 | ug/L |
| 108-90-7 | Chlorobenzene | 0.5 | U | 0.49 | 0.5 | 5 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1 | U | 0.95 | 1 | 10 | ug/L |
| 95-47-6 | o-Xylene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 100-42-5 | Styrene | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 75-25-2 | Bromoform | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |
| 103-65-1 | n-propylbenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 98-06-6 | tert-Butylbenzene | 0.5 | U | 0.44 | 0.5 | 5 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.5 | U | 0.38 | 0.5 | 5 | ug/L |
| 135-98-8 | sec-Butylbenzene | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 99-87-6 | p-Isopropyltoluene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 104-51-8 | n-Butylbenzene | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2 | U | 0.46 | 2 | 5 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 91-20-3 | Naphthalene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 123-91-1 | 1,4-Dioxane | 100 | U | 100 | 100 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 43.6 | | 61 - 141 | | 87% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.5 | | 69 - 133 | | 87% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.5 | | 65 - 126 | | 89% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 43.4 | | 58 - 135 | | 87% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TB | SDG No.: | G4527 |
| Lab Sample ID: | G4527-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029194.D | 1 | | 12/02/15 11:50 | VN120215 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 908382 | 7.75 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1436600 | 8.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1242070 | 11.52 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 519103 | 13.47 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-01** | **TP2(4-6)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | VOCMS Group1 | 8260C | | | 12/01/15 | |
| **G4527-02** | **TP3(7-9)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | VOCMS Group1 | 8260C | | | 11/24/15 | |
| **G4527-03** | **TP4(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | VOCMS Group1 | 8260C | | | 11/24/15 | |
| **G4527-03RE** | **TP4(2-4)RE** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | VOCMS Group1 | 8260C | | | 11/25/15 | |
| **G4527-09** | **TP3(GREASE CYLINDER)** | **TCLP** | | | **11/18/15** | | | **11/20/15** |
| | | | TCLP VOA | 8260C | | | 11/24/15 | |
| **G4527-11** | **TB** | **Water** | | | **11/18/15** | | | **11/20/15** |
| | | | VOCMS Group1 | 8260C | | | 12/02/15 | |

CHEMTECH

## Hit Summary Sheet
**SW-846**

**SDG No.:** G4527

**Client:** LaBella Associates P.C.



| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|

**Client ID:**

**Total Concentration:**

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | TCLP |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP VOA |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057492.D | 5 | | 11/24/15 19:25 | VH112415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-01-4 | Vinyl Chloride | 2.5 | U | 1.7 | 2.5 | 25 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 2.5 | U | 2.4 | 2.5 | 25 | ug/L |
| 78-93-3 | 2-Butanone | 12.5 | U | 6.6 | 12.5 | 130 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 2.5 | U | 1 | 2.5 | 25 | ug/L |
| 67-66-3 | Chloroform | 2.5 | U | 1.7 | 2.5 | 25 | ug/L |
| 71-43-2 | Benzene | 2.5 | U | 1.6 | 2.5 | 25 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 3.8 | U | 2.4 | 3.8 | 25 | ug/L |
| 79-01-6 | Trichloroethene | 2.5 | U | 1.4 | 2.5 | 25 | ug/L |
| 127-18-4 | Tetrachloroethene | 2.5 | U | 1.4 | 2.5 | 25 | ug/L |
| 108-90-7 | Chlorobenzene | 2.5 | U | 2.5 | 2.5 | 25 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.6 | | 61 - 141 | | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50 | | 69 - 133 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.1 | | 65 - 126 | | 96% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.7 | | 58 - 135 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 596981 | 4.82 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 989454 | 5.53 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 725883 | 9.69 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 221663 | 12.47 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-09** | **TP3(GREASE CYLINDER)** | **TCLP** | | | **11/18/15** | | | **11/20/15** |
| | | | TCLP VOA | 8260C | | | 11/24/15 | |

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# Hit Summary Sheet
## SW-846

**SDG No.:** G4527

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : TP2(4-6)** | | | | | | | | | |
| G4527-01 | TP2(4-6) | SOIL | Dimethylphthalate | 790.000 | | 12.2 | 45.2 | 450 | ug/Kg |
| | | | **Total Svoc :** | **790.00** | | | | | |
| | | | **Total Concentration:** | **790.00** | | | | | |
| **Client ID : TP3(7-9)** | | | | | | | | | |
| G4527-02 | TP3(7-9) | SOIL | Dimethylphthalate | 810.000 | | 12.1 | 44.9 | 440 | ug/Kg |
| | | | **Total Svoc :** | **810.00** | | | | | |
| | | | **Total Concentration:** | **810.00** | | | | | |
| **Client ID : TP4(2-4)** | | | | | | | | | |
| G4527-03 | TP4(2-4) | SOIL | Dimethylphthalate | 1,300.000 | | 14.7 | 54.6 | 540 | ug/Kg |
| | | | **Total Svoc :** | **1,300.00** | | | | | |
| | | | **Total Concentration:** | **1,300.00** | | | | | |

# SAMPLE DATA

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 26.5 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083389.D | 1 | 11/25/15 09:41 | 12/01/15 23:29 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 45.2 | U | 23.6 | 45.2 | 450 | ug/Kg |
| 108-95-2 | Phenol | 45.2 | U | 10.4 | 45.2 | 450 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 45.2 | U | 21.7 | 45.2 | 450 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 45.2 | U | 23.9 | 45.2 | 450 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 45.2 | U | 24.6 | 45.2 | 450 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 45.2 | U | 18.7 | 45.2 | 450 | ug/Kg |
| 98-86-2 | Acetophenone | 45.2 | U | 13.8 | 45.2 | 450 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 45.2 | U | 23.5 | 45.2 | 450 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 45.2 | U | 22.8 | 45.2 | 450 | ug/Kg |
| 67-72-1 | Hexachloroethane | 45.2 | U | 20.2 | 45.2 | 450 | ug/Kg |
| 98-95-3 | Nitrobenzene | 45.2 | U | 17.1 | 45.2 | 450 | ug/Kg |
| 78-59-1 | Isophorone | 45.2 | U | 14.9 | 45.2 | 450 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 45.2 | U | 21.8 | 45.2 | 450 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 45.2 | U | 25.6 | 45.2 | 450 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 45.2 | U | 26 | 45.2 | 450 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 45.2 | U | 17.2 | 45.2 | 450 | ug/Kg |
| 91-20-3 | Naphthalene | 45.2 | U | 15.6 | 45.2 | 450 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 45.2 | U | 31.9 | 45.2 | 450 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 45.2 | U | 16.4 | 45.2 | 450 | ug/Kg |
| 105-60-2 | Caprolactam | 90.4 | U | 21 | 90.4 | 450 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 45.2 | U | 20.1 | 45.2 | 450 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 45.2 | U | 11.4 | 45.2 | 450 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 45.2 | U | 11 | 45.2 | 450 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 45.2 | U | 13.8 | 45.2 | 450 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 45.2 | U | 31.7 | 45.2 | 450 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 45.2 | U | 17.1 | 45.2 | 450 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 45.2 | U | 10.3 | 45.2 | 450 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 45.2 | U | 20.1 | 45.2 | 450 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 790 | | 12.2 | 45.2 | 450 | ug/Kg |
| 208-96-8 | Acenaphthylene | 45.2 | U | 11.4 | 45.2 | 450 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 45.2 | U | 18.4 | 45.2 | 450 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 26.5 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083389.D | 1 | 11/25/15 09:41 | 12/01/15 23:29 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 90.4 | U | 29 | 90.4 | 450 | ug/Kg |
| 83-32-9 | Acenaphthene | 45.2 | U | 12.8 | 45.2 | 450 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 360 | U | 46 | 360 | 450 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 230 | U | 84 | 230 | 450 | ug/Kg |
| 132-64-9 | Dibenzofuran | 45.2 | U | 17.6 | 45.2 | 450 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 45.2 | U | 13.6 | 45.2 | 450 | ug/Kg |
| 84-66-2 | Diethylphthalate | 45.2 | U | 7.1 | 45.2 | 450 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 45.2 | U | 24.6 | 45.2 | 450 | ug/Kg |
| 86-73-7 | Fluorene | 45.2 | U | 17.1 | 45.2 | 450 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 90.4 | U | 58.9 | 90.4 | 450 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 230 | U | 25.9 | 230 | 450 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 45.2 | U | 10.9 | 45.2 | 450 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 45.2 | U | 8.8 | 45.2 | 450 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 45.2 | U | 18.4 | 45.2 | 450 | ug/Kg |
| 1912-24-9 | Atrazine | 45.2 | U | 23.9 | 45.2 | 450 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 45.2 | U | 30.9 | 45.2 | 450 | ug/Kg |
| 85-01-8 | Phenanthrene | 45.2 | U | 12.2 | 45.2 | 450 | ug/Kg |
| 120-12-7 | Anthracene | 45.2 | U | 9.2 | 45.2 | 450 | ug/Kg |
| 86-74-8 | Carbazole | 45.2 | U | 9.9 | 45.2 | 450 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 45.2 | U | 35.5 | 45.2 | 450 | ug/Kg |
| 206-44-0 | Fluoranthene | 45.2 | U | 9.1 | 45.2 | 450 | ug/Kg |
| 129-00-0 | Pyrene | 45.2 | U | 10.9 | 45.2 | 450 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 45.2 | U | 21.7 | 45.2 | 450 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 45.2 | U | 29 | 45.2 | 450 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 45.2 | U | 21.6 | 45.2 | 450 | ug/Kg |
| 218-01-9 | Chrysene | 45.2 | U | 20.5 | 45.2 | 450 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 45.2 | U | 16 | 45.2 | 450 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 45.2 | U | 5.2 | 45.2 | 450 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 45.2 | U | 14.8 | 45.2 | 450 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 45.2 | U | 21.3 | 45.2 | 450 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 45.2 | U | 9.8 | 45.2 | 450 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 45.2 | U | 15.1 | 45.2 | 450 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 45.2 | U | 13 | 45.2 | 450 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 26.5 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083389.D | 1 | 11/25/15 09:41 | 12/01/15 23:29 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 45.2 | U | 18.3 | 45.2 | 450 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 45.2 | U | 17.8 | 45.2 | 450 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 45.2 | U | 17.8 | 45.2 | 450 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 110 | | 28 - 127 | | 73% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 34 - 127 | | 81% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 77.5 | | 31 - 132 | | 77% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.1 | | 39 - 123 | | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 83 | | 30 - 133 | | 55% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 84 | | 37 - 115 | | 84% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 168015 | 6.54 | | | | |
| 1146-65-2 | Naphthalene-d8 | 654833 | 7.84 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 328845 | 9.58 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 587790 | 11.13 | | | | |
| 1719-03-5 | Chrysene-d12 | 453965 | 14.74 | | | | |
| 1520-96-3 | Perylene-d12 | 357019 | 16.81 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 25.9 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083390.D | 1 | 11/25/15 09:41 | 12/01/15 23:59 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 44.9 | U | 23.5 | 44.9 | 440 | ug/Kg |
| 108-95-2 | Phenol | 44.9 | U | 10.4 | 44.9 | 440 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 44.9 | U | 21.6 | 44.9 | 440 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 44.9 | U | 23.7 | 44.9 | 440 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 44.9 | U | 24.4 | 44.9 | 440 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 44.9 | U | 18.6 | 44.9 | 440 | ug/Kg |
| 98-86-2 | Acetophenone | 44.9 | U | 13.8 | 44.9 | 440 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 44.9 | U | 23.3 | 44.9 | 440 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 44.9 | U | 22.6 | 44.9 | 440 | ug/Kg |
| 67-72-1 | Hexachloroethane | 44.9 | U | 20.1 | 44.9 | 440 | ug/Kg |
| 98-95-3 | Nitrobenzene | 44.9 | U | 17 | 44.9 | 440 | ug/Kg |
| 78-59-1 | Isophorone | 44.9 | U | 14.8 | 44.9 | 440 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 44.9 | U | 21.7 | 44.9 | 440 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 44.9 | U | 25.5 | 44.9 | 440 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 44.9 | U | 25.9 | 44.9 | 440 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 44.9 | U | 17.1 | 44.9 | 440 | ug/Kg |
| 91-20-3 | Naphthalene | 44.9 | U | 15.5 | 44.9 | 440 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 44.9 | U | 31.7 | 44.9 | 440 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 44.9 | U | 16.3 | 44.9 | 440 | ug/Kg |
| 105-60-2 | Caprolactam | 89.9 | U | 20.9 | 89.9 | 440 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 44.9 | U | 20 | 44.9 | 440 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 44.9 | U | 11.3 | 44.9 | 440 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 44.9 | U | 10.9 | 44.9 | 440 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 44.9 | U | 13.8 | 44.9 | 440 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 44.9 | U | 31.5 | 44.9 | 440 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 44.9 | U | 17 | 44.9 | 440 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 44.9 | U | 10.2 | 44.9 | 440 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 44.9 | U | 20 | 44.9 | 440 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 810 | | 12.1 | 44.9 | 440 | ug/Kg |
| 208-96-8 | Acenaphthylene | 44.9 | U | 11.3 | 44.9 | 440 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 44.9 | U | 18.3 | 44.9 | 440 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 25.9 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083390.D | 1 | 11/25/15 09:41 | 12/01/15 23:59 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 89.9 | U | 28.9 | 89.9 | 440 | ug/Kg |
| 83-32-9 | Acenaphthene | 44.9 | U | 12.7 | 44.9 | 440 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 360 | U | 45.7 | 360 | 440 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 220 | U | 83.5 | 220 | 440 | ug/Kg |
| 132-64-9 | Dibenzofuran | 44.9 | U | 17.5 | 44.9 | 440 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 44.9 | U | 13.5 | 44.9 | 440 | ug/Kg |
| 84-66-2 | Diethylphthalate | 44.9 | U | 7 | 44.9 | 440 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 44.9 | U | 24.4 | 44.9 | 440 | ug/Kg |
| 86-73-7 | Fluorene | 44.9 | U | 17 | 44.9 | 440 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 89.9 | U | 58.5 | 89.9 | 440 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 220 | U | 25.8 | 220 | 440 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 44.9 | U | 10.8 | 44.9 | 440 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 44.9 | U | 8.8 | 44.9 | 440 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 44.9 | U | 18.3 | 44.9 | 440 | ug/Kg |
| 1912-24-9 | Atrazine | 44.9 | U | 23.7 | 44.9 | 440 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 44.9 | U | 30.7 | 44.9 | 440 | ug/Kg |
| 85-01-8 | Phenanthrene | 44.9 | U | 12.1 | 44.9 | 440 | ug/Kg |
| 120-12-7 | Anthracene | 44.9 | U | 9.2 | 44.9 | 440 | ug/Kg |
| 86-74-8 | Carbazole | 44.9 | U | 9.8 | 44.9 | 440 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 44.9 | U | 35.3 | 44.9 | 440 | ug/Kg |
| 206-44-0 | Fluoranthene | 44.9 | U | 9 | 44.9 | 440 | ug/Kg |
| 129-00-0 | Pyrene | 44.9 | U | 10.8 | 44.9 | 440 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 44.9 | U | 21.6 | 44.9 | 440 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 44.9 | U | 28.9 | 44.9 | 440 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 44.9 | U | 21.4 | 44.9 | 440 | ug/Kg |
| 218-01-9 | Chrysene | 44.9 | U | 20.4 | 44.9 | 440 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 44.9 | U | 15.9 | 44.9 | 440 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 44.9 | U | 5.1 | 44.9 | 440 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 44.9 | U | 14.7 | 44.9 | 440 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 44.9 | U | 21.2 | 44.9 | 440 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 44.9 | U | 9.7 | 44.9 | 440 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 44.9 | U | 15 | 44.9 | 440 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 44.9 | U | 12.9 | 44.9 | 440 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 25.9 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083390.D | 1 | 11/25/15 09:41 | 12/01/15 23:59 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 44.9 | U | 18.2 | 44.9 | 440 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 44.9 | U | 17.7 | 44.9 | 440 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 44.9 | U | 17.7 | 44.9 | 440 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 120 | | 28 - 127 | | 80% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 34 - 127 | | 83% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 93.5 | | 31 - 132 | | 94% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.7 | | 39 - 123 | | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 110 | | 30 - 133 | | 70% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 72.4 | | 37 - 115 | | 72% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 177122 | 6.54 | | | | |
| 1146-65-2 | Naphthalene-d8 | 617661 | 7.84 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 286148 | 9.58 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 413870 | 11.14 | | | | |
| 1719-03-5 | Chrysene-d12 | 321459 | 14.83 | | | | |
| 1520-96-3 | Perylene-d12 | 354925 | 16.9 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 30 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083391.D | 1 | 11/25/15 09:41 | 12/02/15 00:30 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 54.6 | U | 28.5 | 54.6 | 540 | ug/Kg |
| 108-95-2 | Phenol | 54.6 | U | 12.6 | 54.6 | 540 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 54.6 | U | 26.2 | 54.6 | 540 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 54.6 | U | 28.8 | 54.6 | 540 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 54.6 | U | 29.6 | 54.6 | 540 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 54.6 | U | 22.6 | 54.6 | 540 | ug/Kg |
| 98-86-2 | Acetophenone | 54.6 | U | 16.7 | 54.6 | 540 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 54.6 | U | 28.3 | 54.6 | 540 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 54.6 | U | 27.5 | 54.6 | 540 | ug/Kg |
| 67-72-1 | Hexachloroethane | 54.6 | U | 24.4 | 54.6 | 540 | ug/Kg |
| 98-95-3 | Nitrobenzene | 54.6 | U | 20.6 | 54.6 | 540 | ug/Kg |
| 78-59-1 | Isophorone | 54.6 | U | 18 | 54.6 | 540 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 54.6 | U | 26.4 | 54.6 | 540 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 54.6 | U | 30.9 | 54.6 | 540 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 54.6 | U | 31.4 | 54.6 | 540 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 54.6 | U | 20.8 | 54.6 | 540 | ug/Kg |
| 91-20-3 | Naphthalene | 54.6 | U | 18.8 | 54.6 | 540 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 54.6 | U | 38.5 | 54.6 | 540 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 54.6 | U | 19.8 | 54.6 | 540 | ug/Kg |
| 105-60-2 | Caprolactam | 110 | U | 25.4 | 110 | 540 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 54.6 | U | 24.2 | 54.6 | 540 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 54.6 | U | 13.7 | 54.6 | 540 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 54.6 | U | 13.3 | 54.6 | 540 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 54.6 | U | 16.7 | 54.6 | 540 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 54.6 | U | 38.3 | 54.6 | 540 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 54.5 | U | 20.6 | 54.5 | 540 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 54.6 | U | 12.4 | 54.6 | 540 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 54.6 | U | 24.2 | 54.6 | 540 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1300 | | 14.7 | 54.6 | 540 | ug/Kg |
| 208-96-8 | Acenaphthylene | 54.6 | U | 13.7 | 54.6 | 540 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 54.6 | U | 22.3 | 54.6 | 540 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 30 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083391.D | 1 | 11/25/15 09:41 | 12/02/15 00:30 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 110 | U | 35 | 110 | 540 | ug/Kg |
| 83-32-9 | Acenaphthene | 54.6 | U | 15.4 | 54.6 | 540 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 440 | U | 55.5 | 440 | 540 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 270 | U | 100 | 270 | 540 | ug/Kg |
| 132-64-9 | Dibenzofuran | 54.6 | U | 21.3 | 54.6 | 540 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 54.6 | U | 16.4 | 54.6 | 540 | ug/Kg |
| 84-66-2 | Diethylphthalate | 54.6 | U | 8.5 | 54.6 | 540 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 54.6 | U | 29.6 | 54.6 | 540 | ug/Kg |
| 86-73-7 | Fluorene | 54.6 | U | 20.6 | 54.6 | 540 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 110 | U | 71 | 110 | 540 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 270 | U | 31.3 | 270 | 540 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 54.6 | U | 13.1 | 54.6 | 540 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 54.6 | U | 10.6 | 54.6 | 540 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 54.6 | U | 22.3 | 54.6 | 540 | ug/Kg |
| 1912-24-9 | Atrazine | 54.6 | U | 28.8 | 54.6 | 540 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 54.6 | U | 37.3 | 54.6 | 540 | ug/Kg |
| 85-01-8 | Phenanthrene | 54.6 | U | 14.7 | 54.6 | 540 | ug/Kg |
| 120-12-7 | Anthracene | 54.6 | U | 11.1 | 54.6 | 540 | ug/Kg |
| 86-74-8 | Carbazole | 54.6 | U | 11.9 | 54.6 | 540 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 54.6 | U | 42.9 | 54.6 | 540 | ug/Kg |
| 206-44-0 | Fluoranthene | 54.6 | U | 11 | 54.6 | 540 | ug/Kg |
| 129-00-0 | Pyrene | 54.6 | U | 13.1 | 54.6 | 540 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 54.6 | U | 26.2 | 54.6 | 540 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 54.6 | U | 35 | 54.6 | 540 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 54.6 | U | 26 | 54.6 | 540 | ug/Kg |
| 218-01-9 | Chrysene | 54.6 | U | 24.7 | 54.6 | 540 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 54.6 | U | 19.3 | 54.6 | 540 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 54.6 | U | 6.2 | 54.6 | 540 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 54.6 | U | 17.8 | 54.6 | 540 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 54.6 | U | 25.7 | 54.6 | 540 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 54.6 | U | 11.8 | 54.6 | 540 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 54.6 | U | 18.2 | 54.6 | 540 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 54.6 | U | 15.7 | 54.6 | 540 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 38.9 |
| Sample Wt/Vol: | 30 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083391.D | 1 | 11/25/15 09:41 | 12/02/15 00:30 | PB86903 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 54.6 | U | 22.1 | 54.6 | 540 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 54.6 | U | 21.4 | 54.6 | 540 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 54.6 | U | 21.4 | 54.6 | 540 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 110 | | 28 - 127 | | 72% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 110 | | 34 - 127 | | 74% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 68.6 | | 31 - 132 | | 69% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 72 | | 39 - 123 | | 72% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 78.8 | | 30 - 133 | | 53% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 82.5 | | 37 - 115 | | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 166564 | 6.54 | | | | |
| 1146-65-2 | Naphthalene-d8 | 675934 | 7.84 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 345335 | 9.58 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 629365 | 11.13 | | | | |
| 1719-03-5 | Chrysene-d12 | 438186 | 14.75 | | | | |
| 1520-96-3 | Perylene-d12 | 393112 | 16.82 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-01** | **TP2(4-6)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | SVOCMS Group1 | 8270D | | 11/25/15 | 12/01/15 | |
| **G4527-02** | **TP3(7-9)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | SVOCMS Group1 | 8270D | | 11/25/15 | 12/01/15 | |
| **G4527-03** | **TP4(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | SVOCMS Group1 | 8270D | | 11/25/15 | 12/02/15 | |
| **G4527-09** | **TP3(GREASE CYLINDER)** | **TCLP** | | | **11/18/15** | | | **11/20/15** |
| | | | TCLP BNA | 8270D | | 11/23/15 | 11/25/15 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4527

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : TP3(GREASE CYLINDER)** | | | | | | | | | |
| G4527-09 | TP3(GREASE CYLINDE | TCLP | 2-Methylphenol | 30.200 | J | 2.4 | 10 | 100 | ug/L |
| G4527-09 | TP3(GREASE CYLINDE | TCLP | 3+4-Methylphenols | 80.300 | J | 3.8 | 10 | 100 | ug/L |
| | | | **Total Svoc :** | **110.50** | | | | | |
| | | | **Total Concentration:** | **110.50** | | | | | |

# SAMPLE DATA

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | TCLP |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083257.D | 1 | 11/23/15 10:48 | 11/25/15 01:06 | PB86825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 110-86-1 | Pyridine | 10 | U | 10 | 10 | 100 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U | 2 | 10 | 100 | ug/L |
| 95-48-7 | 2-Methylphenol | 30.2 | J | 2.4 | 10 | 100 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 80.3 | J | 3.8 | 10 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 10 | U | 2.5 | 10 | 100 | ug/L |
| 98-95-3 | Nitrobenzene | 10 | U | 6.8 | 10 | 100 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 10 | U | 2.5 | 10 | 100 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U | 5.6 | 10 | 100 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U | 4 | 10 | 100 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U | 10 | 10 | 100 | ug/L |
| 118-74-1 | Hexachlorobenzene | 10 | U | 1.8 | 10 | 100 | ug/L |
| 87-86-5 | Pentachlorophenol | 10 | U | 10 | 10 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 130 | | 10 - 130 | | 86% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 130 | | 10 - 130 | | 88% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 88.4 | | 36 - 131 | | 88% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 82.6 | | 39 - 131 | | 83% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 130 | | 25 - 155 | | 87% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 89.6 | | 23 - 130 | | 90% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 179593 | 6.6 | | | | |
| 1146-65-2 | Naphthalene-d8 | 711396 | 7.9 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 360407 | 9.64 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 652417 | 11.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 545844 | 13.75 | | | | |
| 1520-96-3 | Perylene-d12 | 403244 | 15.11 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | TCLP |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083257.D | 1 | 11/23/15 10:48 | 11/25/15 01:06 | PB86825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/23/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/23/15 |
| Client Sample ID: | PB86825TB | SDG No.: | G4527 |
| Lab Sample ID: | PB86825TB | Matrix: | TCLP |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083247.D | 1 | 11/23/15 10:48 | 11/24/15 20:12 | PB86825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 110-86-1 | Pyridine | 10 | U | 10 | 10 | 100 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 10 | U | 2 | 10 | 100 | ug/L |
| 95-48-7 | 2-Methylphenol | 10 | U | 2.4 | 10 | 100 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 10 | U | 3.8 | 10 | 100 | ug/L |
| 67-72-1 | Hexachloroethane | 10 | U | 2.5 | 10 | 100 | ug/L |
| 98-95-3 | Nitrobenzene | 10 | U | 6.8 | 10 | 100 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 10 | U | 2.5 | 10 | 100 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U | 5.6 | 10 | 100 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 10 | U | 4 | 10 | 100 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 10 | U | 10 | 10 | 100 | ug/L |
| 118-74-1 | Hexachlorobenzene | 10 | U | 1.8 | 10 | 100 | ug/L |
| 87-86-5 | Pentachlorophenol | 10 | U | 10 | 10 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 110 | | 10 - 130 | | 75% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 110 | | 10 - 130 | | 75% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 75.9 | | 36 - 131 | | 76% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 78.2 | | 39 - 131 | | 78% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 110 | | 25 - 155 | | 72% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 77.2 | | 23 - 130 | | 77% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 176047 | 6.6 | | | | |
| 1146-65-2 | Naphthalene-d8 | 654127 | 7.9 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 339926 | 9.64 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 633253 | 11.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 562013 | 13.75 | | | | |
| 1520-96-3 | Perylene-d12 | 419063 | 15.11 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/23/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/23/15 |
| Client Sample ID: | PB86825TB | SDG No.: | G4527 |
| Lab Sample ID: | PB86825TB | Matrix: | TCLP |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083247.D | 1 | 11/23/15 10:48 | 11/24/15 20:12 | PB86825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-09** | **TP3(GREASE CYLINDER)** | **TCLP** | | | **11/18/15** | | | **11/20/15** |
| | | | TCLP BNA | 8270D | | 11/23/15 | 11/25/15 | |

CHEMTECH

# Hit Summary Sheet
SW-846

**SDG No.:** **Order ID:**

**Client:** **Project ID:**

| Sample ID | Client ID | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| Client ID : | | | | | | | | |

**Total Concentration:**

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 26.5 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO025954.D | 1 | 11/24/15 08:15 | 11/25/15 11:19 | PB86850 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.5 | U | 2 | 4.5 | 23.1 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.5 | U | 4.5 | 4.5 | 23.1 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17 | | 10 - 166 | | 85% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 17.7 | | 60 - 125 | | 88% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 25.9 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO025955.D | 1 | 11/24/15 08:15 | 11/25/15 11:34 | PB86850 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.5 | U | 2 | 4.5 | 22.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 12.5 | | 10 - 166 | | 62% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 8.83 | * | 60 - 125 | | 44% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9)RE | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 25.9 Decanted: |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO025956.D | 1 | 11/24/15 08:15 | 11/25/15 11:51 | PB86850 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.5 | U | 2 | 4.5 | 22.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.5 | U | 4.5 | 4.5 | 22.9 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 12.1 | | 10 - 166 | | 61% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 8.45 | * | 60 - 125 | | 42% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 38.9 Decanted: |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO025946.D | 1 | 11/24/15 08:15 | 11/24/15 18:30 | PB86850 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 5.4 | U | 2.4 | 5.4 | 27.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 5.4 | U | 5.4 | 5.4 | 27.8 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.9 | | 10 - 166 | | 89% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 12.9 | | 60 - 125 | | 65% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 0 Decanted: |
| Sample Wt/Vol: | 1.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO025947.D | 1 | 11/24/15 08:15 | 11/24/15 18:46 | PB86850 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 97.9 | U | 43.8 | 97.9 | 500 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 14.3 | | 10 - 166 | | 71% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 7.35 | * | 60 - 125 | | 37% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER)RE | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 0 Decanted: |
| Sample Wt/Vol: | 1.02 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO025957.D | 1 | 11/24/15 08:15 | 11/25/15 12:06 | PB86850 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 97.9 | U | 43.8 | 97.9 | 500 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 97.9 | U | 97.9 | 97.9 | 500 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 11.5 | | 10 - 166 | | 57% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 6.39 | * | 60 - 125 | | 32% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-01** | **TP2(4-6)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | PCB | 8082A | | 11/24/15 | 11/25/15 | |
| **G4527-02** | **TP3(7-9)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | PCB | 8082A | | 11/24/15 | 11/25/15 | |
| **G4527-02RE** | **TP3(7-9)RE** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | PCB | 8082A | | 11/24/15 | 11/25/15 | |
| **G4527-03** | **TP4(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | PCB | 8082A | | 11/24/15 | 11/24/15 | |
| **G4527-09** | **TP3(GREASE CYLINDER)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | PCB | 8082A | | 11/24/15 | 11/24/15 | |
| | | | TPH GC | 8015B | | 11/24/15 | 11/25/15 | |
| **G4527-09RE** | **TP3(GREASE CYLINDER)RE** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | PCB | 8082A | | 11/24/15 | 11/25/15 | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | SOIL |
| Analytical Method: | 8015B TPH | % Moisture: | 0 Decanted: |
| Sample Wt/Vol: | 1.04 Units: g | Final Vol: | 1 mL |
| Soil Aliquot Vol: | uL | Test: | TPH GC |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| FE014089.D | 100 | 11/24/15 08:47 | 11/25/15 15:07 | PB86882 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| PHC | Petroleum Hydrocarbons | 153557692 | | 4130000 | 4130000 | 8170000 | ug/kg |
| **SURROGATES** | | | | | | | |
| 16416-32-3 | TETRACOSANE-d50 | 0 | * | 37 - 130 | | 0% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-09** | **TP3(GREASE CYLINDER)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | TPH GC | 8015B | | 11/24/15 | 11/25/15 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4527 **Order ID:** G4527

**Client:** LaBella Associates P.C. **Project ID:** 1660 Niagara Street, Buffalo, NY

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : TP2(4-6)** | | | | | | | | | |
| G4527-01 | TP2(4-6) | SOIL | Arsenic | 5.000 | | 0.285 | 0.285 | 1.14 | mg/Kg |
| G4527-01 | TP2(4-6) | SOIL | Barium | 59.200 | | 0.455 | 1.42 | 5.69 | mg/Kg |
| G4527-01 | TP2(4-6) | SOIL | Cadmium | 0.301 | J | 0.068 | 0.085 | 0.342 | mg/Kg |
| G4527-01 | TP2(4-6) | SOIL | Chromium | 11.300 | | 0.142 | 0.142 | 0.569 | mg/Kg |
| G4527-01 | TP2(4-6) | SOIL | Lead | 56.100 | | 0.137 | 0.285 | 0.683 | mg/Kg |
| G4527-01 | TP2(4-6) | SOIL | Mercury | 0.342 | | 0.009 | 0.009 | 0.018 | mg/Kg |
| G4527-01 | TP2(4-6) | SOIL | Silver | 1.700 | | 0.142 | 0.142 | 0.569 | mg/Kg |
| **Client ID : TP3(7-9)** | | | | | | | | | |
| G4527-02 | TP3(7-9) | SOIL | Arsenic | 8.540 | | 0.278 | 0.278 | 1.11 | mg/Kg |
| G4527-02 | TP3(7-9) | SOIL | Barium | 95.800 | | 0.444 | 1.39 | 5.55 | mg/Kg |
| G4527-02 | TP3(7-9) | SOIL | Cadmium | 0.892 | | 0.067 | 0.083 | 0.333 | mg/Kg |
| G4527-02 | TP3(7-9) | SOIL | Chromium | 15.500 | | 0.139 | 0.139 | 0.555 | mg/Kg |
| G4527-02 | TP3(7-9) | SOIL | Lead | 123.000 | | 0.133 | 0.278 | 0.666 | mg/Kg |
| G4527-02 | TP3(7-9) | SOIL | Mercury | 2.480 | D | 0.041 | 0.041 | 0.083 | mg/Kg |
| G4527-02 | TP3(7-9) | SOIL | Silver | 2.990 | | 0.139 | 0.139 | 0.555 | mg/Kg |
| **Client ID : TP4(2-4)** | | | | | | | | | |
| G4527-03 | TP4(2-4) | SOIL | Arsenic | 174.000 | | 0.338 | 0.338 | 1.35 | mg/Kg |
| G4527-03 | TP4(2-4) | SOIL | Barium | 261.000 | | 0.541 | 1.69 | 6.76 | mg/Kg |
| G4527-03 | TP4(2-4) | SOIL | Cadmium | 1.730 | | 0.081 | 0.101 | 0.406 | mg/Kg |
| G4527-03 | TP4(2-4) | SOIL | Chromium | 25.700 | | 0.169 | 0.169 | 0.676 | mg/Kg |
| G4527-03 | TP4(2-4) | SOIL | Lead | 1,070.000 | | 0.162 | 0.338 | 0.812 | mg/Kg |
| G4527-03 | TP4(2-4) | SOIL | Mercury | 4.880 | D | 0.099 | 0.099 | 0.198 | mg/Kg |
| G4527-03 | TP4(2-4) | SOIL | Silver | 6.920 | | 0.169 | 0.169 | 0.676 | mg/Kg |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP2(4-6) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-01 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 73.5 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 5 | | 1 | 0.285 | 0.285 | 1.14 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |
| 7440-39-3 | Barium | 59.2 | | 1 | 0.455 | 1.42 | 5.69 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |
| 7440-43-9 | Cadmium | 0.301 | J | 1 | 0.068 | 0.085 | 0.342 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |
| 7440-47-3 | Chromium | 11.3 | | 1 | 0.142 | 0.142 | 0.569 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |
| 7439-92-1 | Lead | 56.1 | | 1 | 0.137 | 0.285 | 0.683 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |
| 7439-97-6 | Mercury | 0.342 | | 1 | 0.009 | 0.009 | 0.018 | mg/Kg | 11/20/15 14:59 | 11/23/15 20:02 | SW7471A |
| 7782-49-2 | Selenium | 0.285 | UN | 1 | 0.285 | 0.285 | 1.14 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |
| 7440-22-4 | Silver | 1.7 | N | 1 | 0.142 | 0.142 | 0.569 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:26 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(7-9) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-02 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 74.1 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 8.54 | | 1 | 0.278 | 0.278 | 1.11 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |
| 7440-39-3 | Barium | 95.8 | | 1 | 0.444 | 1.39 | 5.55 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |
| 7440-43-9 | Cadmium | 0.892 | | 1 | 0.067 | 0.083 | 0.333 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |
| 7440-47-3 | Chromium | 15.5 | | 1 | 0.139 | 0.139 | 0.555 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |
| 7439-92-1 | Lead | 123 | | 1 | 0.133 | 0.278 | 0.666 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |
| 7439-97-6 | Mercury | 2.48 | D | 5 | 0.041 | 0.041 | 0.083 | mg/Kg | 11/20/15 14:59 | 11/23/15 20:27 | SW7471A |
| 7782-49-2 | Selenium | 0.278 | UN | 1 | 0.278 | 0.278 | 1.11 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |
| 7440-22-4 | Silver | 2.99 | N | 1 | 0.139 | 0.139 | 0.555 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:30 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP4(2-4) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-03 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 61.1 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 174 | | 1 | 0.338 | 0.338 | 1.35 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |
| 7440-39-3 | Barium | 261 | | 1 | 0.541 | 1.69 | 6.76 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |
| 7440-43-9 | Cadmium | 1.73 | | 1 | 0.081 | 0.101 | 0.406 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |
| 7440-47-3 | Chromium | 25.7 | | 1 | 0.169 | 0.169 | 0.676 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |
| 7439-92-1 | Lead | 1070 | | 1 | 0.162 | 0.338 | 0.812 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |
| 7439-97-6 | Mercury | 4.88 | D | 10 | 0.099 | 0.099 | 0.198 | mg/Kg | 11/20/15 14:59 | 11/23/15 20:30 | SW7471A |
| 7782-49-2 | Selenium | 0.338 | UN | 1 | 0.338 | 0.338 | 1.35 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |
| 7440-22-4 | Silver | 6.92 | N | 1 | 0.169 | 0.169 | 0.676 | mg/Kg | 11/23/15 12:00 | 11/24/15 12:34 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-01** | **TP2(4-6)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 11/20/15 | 11/23/15 | |
| | | | Metals ICP-RCRA | 6010B | | 11/23/15 | 11/24/15 | |
| **G4527-02** | **TP3(7-9)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 11/20/15 | 11/23/15 | |
| | | | Metals ICP-RCRA | 6010B | | 11/23/15 | 11/24/15 | |
| **G4527-03** | **TP4(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 11/20/15 | 11/23/15 | |
| | | | Metals ICP-RCRA | 6010B | | 11/23/15 | 11/24/15 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4527 **Order ID:** G4527

**Client:** LaBella Associates P.C. **Project ID:** 1660 Niagara Street, Buffalo, NY

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **TP3(GREASE CYLINDER)** | | | | | | | | |
| G4527-09 | TP3(GREASE CYLINDER) | TCLP | Barium | 1,860.000 | | 40 | 125 | 500 | ug/L |
| G4527-09 | TP3(GREASE CYLINDER) | TCLP | Cadmium | 332.000 | | 5 | 7.5 | 30 | ug/L |
| G4527-09 | TP3(GREASE CYLINDER) | TCLP | Lead | 32,600.000 | | 15 | 15.0 | 60 | ug/L |
| G4527-09 | TP3(GREASE CYLINDER) | TCLP | Selenium | 106.000 | | 48 | 50.0 | 100 | ug/L |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | TCLP |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 25 | U | 1 | 25 | 25.0 | 100 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |
| 7440-39-3 | Barium | 1860 | | 1 | 40 | 125 | 500 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |
| 7440-43-9 | Cadmium | 332 | | 1 | 5 | 7.5 | 30 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |
| 7440-47-3 | Chromium | 12.5 | U | 1 | 11 | 12.5 | 50 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |
| 7439-92-1 | Lead | 32600 | | 1 | 15 | 15.0 | 60 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |
| 7439-97-6 | Mercury | 1 | U | 1 | 1 | 1.0 | 2 | ug/L | 11/23/15 16:05 | 11/24/15 14:41 | SW7470A |
| 7782-49-2 | Selenium | 106 | | 1 | 48 | 50.0 | 100 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |
| 7440-22-4 | Silver | 12.5 | U | 1 | 12.5 | 12.5 | 50 | ug/L | 11/23/15 12:30 | 11/24/15 14:16 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | | Texture: | Clear |
| Color After: | Colorless | Clarity After: | | Artifacts: | Clear |
| Comments: | TCLP METALS | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-01** | **TP2(4-6)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 11/20/15 | 11/23/15 | |
| | | | Metals ICP-RCRA | 6010B | | 11/23/15 | 11/24/15 | |
| **G4527-02** | **TP3(7-9)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 11/20/15 | 11/23/15 | |
| | | | Metals ICP-RCRA | 6010B | | 11/23/15 | 11/24/15 | |
| **G4527-03** | **TP4(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 11/20/15 | 11/23/15 | |
| | | | Metals ICP-RCRA | 6010B | | 11/23/15 | 11/24/15 | |
| **G4527-09** | **TP3(GREASE CYLINDER)** | **TCLP** | | | **11/18/15** | | | **11/20/15** |
| | | | TCLP ICP Metals | 6010B | | 11/23/15 | 11/24/15 | |
| | | | TCLP Mercury | 7470A | | 11/23/15 | 11/24/15 | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 12:15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP3(GREASE CYLINDER) | SDG No.: | G4527 |
| Lab Sample ID: | G4527-09 | Matrix: | SOIL |
| | | % Solid: | 100 |

| Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|
| Corrosivity | 7.4 | | 1 | 0 | 0 | 0 | pH | | 11/20/15 17:05 | 9045C |
| Ignitability | NO | | 1 | 0 | 0 | 0 | o C | | 11/25/15 10:15 | 1030 |
| Reactive Cyanide | 0.05 | U | 1 | 0.05 | 0.05 | 0.05 | mg/Kg | 11/24/15 12:48 | 11/24/15 17:50 | 9012B |
| Reactive Sulfide | 10 | U | 1 | 10 | 10 | 10 | mg/Kg | 11/24/15 14:55 | 11/24/15 17:30 | 9034 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4527 | **OrderDate:** | 11/20/2015 1:24:54 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4527-09** | **TP3(GREASE CYLINDER)** | **SOIL** | | | **11/18/15 12:15** | | | **11/20/15** |
| | | | Corrosivity | 9045C | | | 11/20/15 17:05 | |
| | | | Ignitability | 1030 | | | 11/25/15 10:15 | |
| | | | Reactive Cyanide | 9012B | | 11/24/15 | 11/24/15 17:50 | |
| | | | Reactive Sulfide | 9034 | | 11/24/15 | 11/24/15 17:30 | |

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G4527
QUOTE NO.
COC Number 035238

### CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: LaBella Associates DPC
ADDRESS: 300 Pearl Street Suite 30
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Chris Kibler
PHONE: 716-551-6288 FAX: 716-551-6288

### CLIENT PROJECT INFORMATION

PROJECT NAME: Buffalo Marine River Front
PROJECT NO.: 2151177 LOCATION: Buffalo NY
PROJECT MANAGER: Adam Zebrowski
e-mail: azebrowski@labellapc.com
PHONE: 716-551-6281 FAX: 716-551-6288

### CLIENT BILLING INFORMATION

BILL TO: LaBella Associates DPC P.O.#: 2151177
ADDRESS: 300 Pearl St.
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Adam Z. PHONE: 716-551-6281

### DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: Stacked-ID DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

X LEVEL 1: Results only ☐ Others _____
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format: _____

### ANALYSIS

1 TCL VOCs 8260
2 CP-51 VOCs 8260
3 CP-51 SVOCs 8270
4 PCBs 8082
5 RCRA Metals (6010) Hg 7470
6
7 DOH 310-WCS
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TP2 (4-6') | Soil | | X | 11-18-15 | 10:05 | 2 | X | X | X | X | X | | | | | |
| 2. | TP3 (0-2') | Soil | | X | 11-18-15 | 12:10 | 2 | X | X | X | X | X | | | | | |
| 3. | TP4 (2-4') | Soil | | X | 11-18-15 | 13:30 | 2 | X | X | X | X | X | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | TP1 (2-4') | Soil | | X | 11-18-15 | 9:30 | 2 | X | X | X | X | X | | | | | Hold |
| 6. | TP5 (2-4') | Soil | | X | 11-18-15 | 14:00 | 2 | X | X | X | X | X | | | | | Hold |
| 7. | TP6 (2-3') | Soil | | X | 11-18-15 | 14:30 | 2 | X | X | X | X | X | | | | | Hold |
| 8. | TP7 (2-4') | Soil | | X | 11-18-15 | 14:40 | 2 | X | X | X | X | X | | | | | Hold |
| 9. | TP8 (2-4') | Soil | | X | 11-18-15 | 14:50 | 2 | X | X | X | X | X | | | | | Hold |
| 10. | TP3 (Grease Cylinder) | | | X | 11-18-15 | 12:15 | 1 | | | | | | | X | | | Hold |

PRESERVATIVES — COMMENTS: ← Specify Preservatives
A – HCl B – $HNO_3$ C – $H_2SO_4$ D – NaOH E – ICE F – Other

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 11-18-15/6pm | 1. |
| RELINQUISHED BY: 2. | DATE/TIME: | RECEIVED BY: 2. |
| RELINQUISHED BY: 3. UPS | DATE/TIME: 10:20 11-20-15 | RECEIVED FOR LAB BY: 3. |

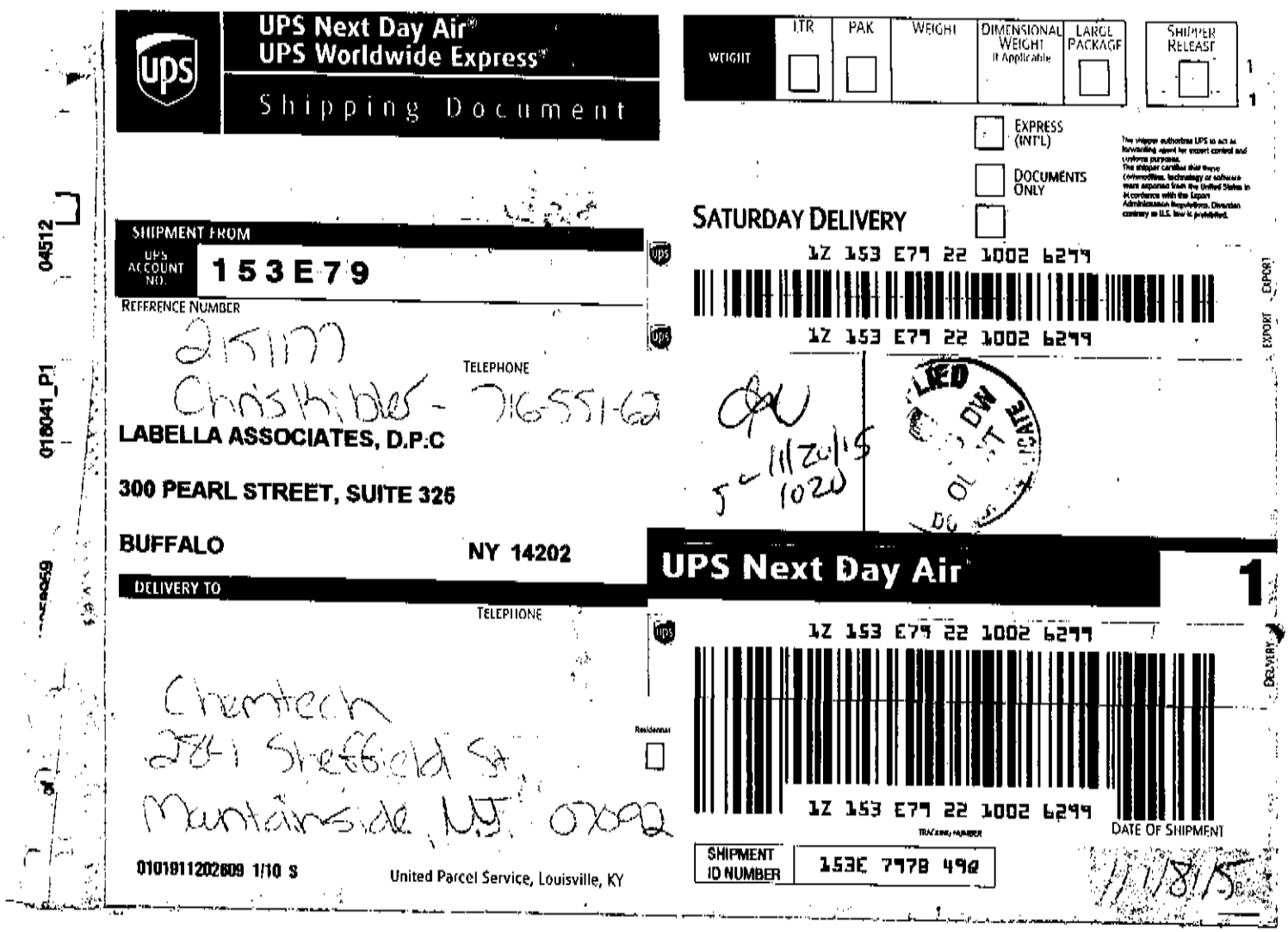
Conditions of bottles or coolers at receipt: ☐ Compliant ☒ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 5°C
Ice in Cooler? Yes

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



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Shipping Document

WEIGHT | LTR | PAK | WEIGHT | DIMENSIONAL WEIGHT If Applicable | LARGE PACKAGE | SHIPPER RELEASE

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DOCUMENTS ONLY

SATURDAY DELIVERY

SHIPMENT FROM
UPS ACCOUNT NO. 153E79
REFERENCE NUMBER
Attn
Christibles - 716-551-62
TELEPHONE
LABELLA ASSOCIATES, D.P.C
300 PEARL STREET, SUITE 325
BUFFALO NY 14202

DELIVERY TO
TELEPHONE
Residential
Chemtech
284 Sheffield St
Mountainside, NJ 07092

0101811202609 1/10 S
United Parcel Service, Louisville, KY

1Z 153 E79 22 1002 6299
1Z 153 E79 22 1002 6299

11/20/15 1020

UPS Next Day Air 1

1Z 153 E79 22 1002 6299
1Z 153 E79 22 1002 6299
TRACKING NUMBER

DATE OF SHIPMENT
11/18/15

SHIPMENT ID NUMBER 153E 7978 490

**From:** Zebrowski, Adam <AZebrowski@LaBellaPC.com>
**Sent:** Tuesday, December 01, 2015 11:04 AM
**To:** Karen@chemtech.net
**Subject:** RE: G4527 - FYI

Karen:

The results should be provided in the lowest level report. If level 1 deliverable is lowest, then please provide level 1. Please analyze the trip blank for full list VOCs

Thanks

**Adam Zebrowski**
LaBella Associates, D.P.C.
Direct: 716-840-2548 | azebrowski@labellapc.com

**From:** Karen Noel [mailto:karen@chemtech.net]
**Sent:** Tuesday, December 01, 2015 10:07 AM
**To:** Zebrowski, Adam
**Subject:** G4527 - FYI

Andy,

The COC requests level 1 results, but we typically provide level 2 results. I logged in level 2.
There is no trip blank listed on the COC but we did receive it and log it in.
Please let me know if I need to change anything.

All the best,

Karen Noel
Karen@Chemtech.net
T: (908) 728-3142
F: (908) 789-8922


Chemtech is an equal opportunity employer

**From:** Steven Kim <steven@chemtech.net>
**Sent:** Thursday, November 19, 2015 5:00 PM
**To:** Karen Noel
**Subject:** FW: Additional pricing for 1660 Niagara Street

FYI for the 1660 Niagara St samples that are coming in tomorrow.

Regards,

Steven Kim
CHEMTECH

---

**From:** Zebrowski, Adam [mailto:AZebrowski@LaBellaPC.com]
**Sent:** Thursday, November 19, 2015 4:46 PM
**To:** 'Steven Kim'
**Cc:** Kibler, Christopher
**Subject:** RE: Additional pricing for 1660 Niagara Street

Steve:

As per our conversation, please proceed with analysis of the grease sample for the following analysis.

TCLP VOCs
TCLP SVOCs
TCLP Metals
Reactivity, Corrosivity, and Ignitability
Total Petroleum Hydrocarbons
PCBs

Please hold doing anything with the tank content samples; however, Chris from my office will likely be requesting these samples be run and will be providing the analysis methods to be completed.

Please hold the soil samples identified as such on the chain. I don't think they will be run, but please let me know before they are discarded.

Have a great night.

Sincerely,

**Adam Zebrowski**
LaBella Associates, D.P.C.
Direct: 716-840-2548 | azebrowski@labellapc.com

---

**From:** Zebrowski, Adam
**Sent:** Thursday, November 19, 2015 3:21 PM
**To:** 'Steven Kim'
**Cc:** Kibler, Christopher
**Subject:** RE: Additional pricing for 1660 Niagara Street

Steve:

I just left you a voice message. We submitted two 4oz jars of the grease sample. Do you thinks that 8oz is a sufficient volume to run the analysis you provided below in response to Chris?

Thanks,

**Adam Zebrowski**
LaBella Associates, D.P.C.
Direct: 716-840-2548 | azebrowski@labellapc.com

---

**From:** Kibler, Christopher
**Sent:** Thursday, November 19, 2015 2:38 PM
**To:** Zebrowski, Adam
**Subject:** FW: Additional pricing for 1660 Niagara Street

I'm back in the office. Let me know if you need any input on this.

Thanks.

**Chris Kibler**
LaBella Associates, D.P.C.
Direct: 716-873-2115

---

**From:** Steven Kim [mailto:steven@chemtech.net]
**Sent:** Thursday, November 19, 2015 11:56 AM
**To:** Kibler, Christopher
**Cc:** Karen Noel
**Subject:** Additional pricing for 1660 Niagara Street

Hi Chris,

As we discussed, please see below for some unit rates for Waste Characterization analyses for the grease and tank samples that will be arriving at our lab for the 1660 Niagara Street project.

TCLP VOCs = $95.00
TCLP SVOCs = $125.00
TCLP Metals = $99.00
TCLP Herbicides = $75.00
TCLP Pesticides = $60.00
Reactivity, Corrosivity, and Ignitability = $50.00
Total Petroleum Hydrocarbons = $65.00
PCBs = $60.00

Feel free to let me know if you have any questions.

Regards,

Steven Kim
Account Executive
Direct: 908-728-3157
Mobile: 732-688-2642

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

# Laboratory Certification

| State | License No. |
|---|---|
| New Jersey | 20012 |
| New York | 11376 |
| Connecticut | PH-0649 |
| Florida | E87935 |
| Louisiana | 5035 |
| Maryland | 296 |
| Massachusetts | M-NJ503 |
| Pennsylvania | 68-548 |
| Rhode Island | LAO00259 |
| Virginia | 460220 |
| Texas | T10470448-10-1 |

Other :

| | |
|---|---|
| DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025 | L2219 |
| Soil Permit | P330-11-00012 |
| CLP Inorganic Contract | EPW09038 |
| CLP Organic Contract | EPW11030 |

QA Control Code: A2070148

# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | G4527 LABE01 | **Order Date:** | 11/20/2015 | **Project Mgr:** | karen |
| **Client Name:** | LaBella Associates P.C. | **Project Name:** | 1660 Niagara Street, Buffalo, N | **Report Type:** | Level 2 |
| **Client Contact:** | Adam Zebrowski | **Rec DateTime** | 11/20/2015 10:20:00 A | **EDD:** | EXCEL NOCLEANUP |
| **Invoice Name:** | LaBella Associates P.C. | **Purchase Order:** | | **Hard Copy Date:** | |
| **Invoice Contact** | Adam Zebrowski | **Login Tech:** | KANDARP | **Date Signoff:** | 11/20/2015 2:49:10 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G4527-01 | TP2(4-6) | Solid | 11/18/2015 | 10:05 | 2 | | | | | | |
| | | | | | | | VOCMS Group1 | 8260C | | 10 Bus. 12/2/2015 | 12/2/20 |
| G4527-02 | TP3(7-9) | Solid | 11/18/2015 | 12:10 | 2 | | | | | | |
| | | | | | | | VOCMS Group1 | 8260C | | 10 Bus. 12/2/2015 | 12/2/20 |
| G4527-03 | TP4(2-4) | Solid | 11/18/2015 | 13:30 | 2 | | | | | | |
| | | | | | | | VOCMS Group1 | 8260C | | 10 Bus. 12/2/2015 | 12/2/20 |
| G4527-09 | TP3(GREASE CYLIN | Solid | 11/18/2015 | 12:15 | 2 | | | | | | |
| | | | | | | | TCLP VOA | 8260C | | 10 Bus. 12/2/2015 | 12/2/20 |

## SAMPLE CONDITION RECORD

| | |
|---|---|
| Are samples submitted with a chain of custody? | Yes |
| Are the number of samples the same as stated on the chain of custody? | Yes |
| Are bottle caps tight and securely in place? | Yes |
| Were all containers intact when received? | Yes |
| Were samples submitted in an ice chest? | Yes |
| Were samples received cold? | Yes |
| Were samples within the holding time for the requested test(s)? | Yes |
| Is the volume of sample submitted sufficient for the requested test(s)? | Yes |
| Are all samples for volatile organic analyses free of headspace? | NA |

**Relinquished By:** _____ **Received By:** _____

**Date / Time:** 11/20/15 **Date / Time:** 11/20/15

**Storage Area:** VOA Refridgerator Room

## ORDER COMMENT

**--VOCMS Group1 = VOC TCL + CP-51 VOC**
**SVOCMS Group1 = CP-51 SVOCs--NY--**

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# DATA PACKAGE

METALS

**PROJECT NAME : 1660 NIAGARA STREET, BUFFALO, NY**

**LABELLA ASSOCIATES P.C.**

**300 State Street**

**Suite 201**

**Rochester, NY - 14614**

**Phone No: 585-295-6253**

**ORDER ID : G4702**

**ATTENTION : Adam Zebrowski**

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH

Table Of Contents for G4702

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Cover Page

**Order ID :** G4702

**Project ID :** 1660 Niagara Street, Buffalo, NY

**Client :** LaBella Associates P.C.

| Lab Sample Number | Client Sample Number |
|---|---|
| G4702-04 | TP1(2-4) |
| G4702-05 | TP5(2-4) |
| G4702-06 | TP6(1-3) |
| G4702-07 | TP7(2-4) |
| G4702-08 | TP8(2-4) |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

APPROVED Date: 12/21/2015

*By Mildred V Reyes, QAQC Supervisor at 9:05 am, Dec 21, 2015*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4702**
**Test Name: Mercury, Metals ICP-RCRA**

**A. Number of Samples and Date of Receipt:**
5 Solid samples were received on 11/20/2015.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA and METALS RCRA. This data package contains results for Mercury, Metals ICP-RCRA.

**C. Analytical Techniques:**
The analysis of Metals ICP-RCRA was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (SB8(18-20)L)met criteria for all samples except for Chromium.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes __

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 9:05 am, Dec 21, 2015*

## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** G4702

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**1st Level QA Review Signature:** POONAM PATEL **Date:** 12/21/2015

**2nd Level QA Review Signature:** Mildred V Reyes **Date:**

APPROVED
By Mildred V Reyes, QAQC Supervisor at 9:05 am, Dec 21, 2015

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4702 **Order ID:** G4702

**Client:** LaBella Associates P.C. **Project ID:** 1660 Niagara Street, Buffalo, NY

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : TP1(2-4)** | | | | | | | | | |
| G4702-04 | TP1(2-4) | SOIL | Arsenic | 8.650 | | 0.203 | 0.203 | 0.813 | mg/Kg |
| G4702-04 | TP1(2-4) | SOIL | Barium | 98.300 | | 0.325 | 1.02 | 4.07 | mg/Kg |
| G4702-04 | TP1(2-4) | SOIL | Cadmium | 0.575 | | 0.049 | 0.061 | 0.244 | mg/Kg |
| G4702-04 | TP1(2-4) | SOIL | Chromium | 14.700 | | 0.102 | 0.102 | 0.407 | mg/Kg |
| G4702-04 | TP1(2-4) | SOIL | Lead | 208.000 | | 0.098 | 0.203 | 0.488 | mg/Kg |
| G4702-04 | TP1(2-4) | SOIL | Mercury | 0.410 | | 0.006 | 0.006 | 0.012 | mg/Kg |
| G4702-04 | TP1(2-4) | SOIL | Silver | 1.670 | | 0.102 | 0.102 | 0.407 | mg/Kg |
| **Client ID : TP5(2-4)** | | | | | | | | | |
| G4702-05 | TP5(2-4) | SOIL | Arsenic | 4.110 | | 0.204 | 0.204 | 0.816 | mg/Kg |
| G4702-05 | TP5(2-4) | SOIL | Barium | 41.700 | | 0.327 | 1.02 | 4.08 | mg/Kg |
| G4702-05 | TP5(2-4) | SOIL | Cadmium | 0.226 | J | 0.049 | 0.061 | 0.245 | mg/Kg |
| G4702-05 | TP5(2-4) | SOIL | Chromium | 6.040 | | 0.102 | 0.102 | 0.408 | mg/Kg |
| G4702-05 | TP5(2-4) | SOIL | Lead | 134.000 | | 0.098 | 0.204 | 0.49 | mg/Kg |
| G4702-05 | TP5(2-4) | SOIL | Mercury | 0.592 | | 0.007 | 0.007 | 0.013 | mg/Kg |
| G4702-05 | TP5(2-4) | SOIL | Silver | 0.791 | | 0.102 | 0.102 | 0.408 | mg/Kg |
| **Client ID : TP6(1-3)** | | | | | | | | | |
| G4702-06 | TP6(1-3) | SOIL | Arsenic | 10.200 | | 0.217 | 0.217 | 0.87 | mg/Kg |
| G4702-06 | TP6(1-3) | SOIL | Barium | 65.600 | | 0.348 | 1.09 | 4.35 | mg/Kg |
| G4702-06 | TP6(1-3) | SOIL | Cadmium | 0.640 | | 0.052 | 0.065 | 0.261 | mg/Kg |
| G4702-06 | TP6(1-3) | SOIL | Chromium | 11.500 | | 0.109 | 0.109 | 0.435 | mg/Kg |
| G4702-06 | TP6(1-3) | SOIL | Lead | 224.000 | | 0.104 | 0.217 | 0.522 | mg/Kg |
| G4702-06 | TP6(1-3) | SOIL | Mercury | 0.369 | | 0.006 | 0.006 | 0.013 | mg/Kg |
| G4702-06 | TP6(1-3) | SOIL | Silver | 2.530 | | 0.109 | 0.109 | 0.435 | mg/Kg |
| **Client ID : TP7(2-4)** | | | | | | | | | |
| G4702-07 | TP7(2-4) | SOIL | Arsenic | 16.500 | | 0.21 | 0.21 | 0.84 | mg/Kg |
| G4702-07 | TP7(2-4) | SOIL | Barium | 56.200 | | 0.336 | 1.05 | 4.2 | mg/Kg |
| G4702-07 | TP7(2-4) | SOIL | Cadmium | 0.523 | | 0.05 | 0.063 | 0.252 | mg/Kg |
| G4702-07 | TP7(2-4) | SOIL | Chromium | 10.700 | | 0.105 | 0.105 | 0.42 | mg/Kg |
| G4702-07 | TP7(2-4) | SOIL | Lead | 139.000 | | 0.101 | 0.21 | 0.504 | mg/Kg |
| G4702-07 | TP7(2-4) | SOIL | Mercury | 0.234 | | 0.007 | 0.007 | 0.014 | mg/Kg |
| G4702-07 | TP7(2-4) | SOIL | Silver | 2.210 | | 0.105 | 0.105 | 0.42 | mg/Kg |
| **Client ID : TP8(2-4)** | | | | | | | | | |
| G4702-08 | TP8(2-4) | SOIL | Arsenic | 7.000 | | 0.207 | 0.207 | 0.83 | mg/Kg |
| G4702-08 | TP8(2-4) | SOIL | Barium | 375.000 | | 0.332 | 1.04 | 4.15 | mg/Kg |
| G4702-08 | TP8(2-4) | SOIL | Cadmium | 1.310 | | 0.05 | 0.062 | 0.249 | mg/Kg |
| G4702-08 | TP8(2-4) | SOIL | Chromium | 21.300 | | 0.104 | 0.104 | 0.415 | mg/Kg |

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# Hit Summary Sheet
**SW-846**



| | | | |
|---|---|---|---|
| **SDG No.:** | G4702 | **Order ID:** | G4702 |
| **Client:** | LaBella Associates P.C. | **Project ID:** | 1660 Niagara Street, Buffalo, NY |

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| G4702-08 | TP8(2-4) | SOIL | Lead | 549.000 | | 0.1 | 0.207 | 0.498 | mg/Kg |
| G4702-08 | TP8(2-4) | SOIL | Mercury | 0.424 | | 0.006 | 0.006 | 0.012 | mg/Kg |
| G4702-08 | TP8(2-4) | SOIL | Silver | 2.160 | | 0.104 | 0.104 | 0.415 | mg/Kg |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP1(2-4) | SDG No.: | G4702 |
| Lab Sample ID: | G4702-04 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 100 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 8.65 | | 1 | 0.203 | 0.203 | 0.813 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |
| 7440-39-3 | Barium | 98.3 | | 1 | 0.325 | 1.02 | 4.07 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |
| 7440-43-9 | Cadmium | 0.575 | | 1 | 0.049 | 0.061 | 0.244 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |
| 7440-47-3 | Chromium | 14.7 | | 1 | 0.102 | 0.102 | 0.407 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |
| 7439-92-1 | Lead | 208 | | 1 | 0.098 | 0.203 | 0.488 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |
| 7439-97-6 | Mercury | 0.41 | | 1 | 0.006 | 0.006 | 0.012 | mg/Kg | 12/10/15 11:52 | 12/11/15 18:42 | SW7471A |
| 7782-49-2 | Selenium | 0.203 | U | 1 | 0.203 | 0.203 | 0.813 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |
| 7440-22-4 | Silver | 1.67 | | 1 | 0.102 | 0.102 | 0.407 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:20 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP5(2-4) | SDG No.: | G4702 |
| Lab Sample ID: | G4702-05 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 100 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 4.11 | | 1 | 0.204 | 0.204 | 0.816 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |
| 7440-39-3 | Barium | 41.7 | | 1 | 0.327 | 1.02 | 4.08 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |
| 7440-43-9 | Cadmium | 0.226 | J | 1 | 0.049 | 0.061 | 0.245 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |
| 7440-47-3 | Chromium | 6.04 | | 1 | 0.102 | 0.102 | 0.408 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |
| 7439-92-1 | Lead | 134 | | 1 | 0.098 | 0.204 | 0.49 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |
| 7439-97-6 | Mercury | 0.592 | | 1 | 0.007 | 0.007 | 0.013 | mg/Kg | 12/10/15 11:52 | 12/11/15 18:44 | SW7471A |
| 7782-49-2 | Selenium | 0.204 | U | 1 | 0.204 | 0.204 | 0.816 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |
| 7440-22-4 | Silver | 0.791 | | 1 | 0.102 | 0.102 | 0.408 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:25 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
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LOD = Limit of Detection
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B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP6(1-3) | SDG No.: | G4702 |
| Lab Sample ID: | G4702-06 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 100 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 10.2 | | 1 | 0.217 | 0.217 | 0.87 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |
| 7440-39-3 | Barium | 65.6 | | 1 | 0.348 | 1.09 | 4.35 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |
| 7440-43-9 | Cadmium | 0.64 | | 1 | 0.052 | 0.065 | 0.261 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |
| 7440-47-3 | Chromium | 11.5 | | 1 | 0.109 | 0.109 | 0.435 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |
| 7439-92-1 | Lead | 224 | | 1 | 0.104 | 0.217 | 0.522 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |
| 7439-97-6 | Mercury | 0.369 | | 1 | 0.006 | 0.006 | 0.013 | mg/Kg | 12/10/15 11:52 | 12/11/15 18:46 | SW7471A |
| 7782-49-2 | Selenium | 0.217 | U | 1 | 0.217 | 0.217 | 0.87 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |
| 7440-22-4 | Silver | 2.53 | | 1 | 0.109 | 0.109 | 0.435 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:29 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
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LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP7(2-4) | SDG No.: | G4702 |
| Lab Sample ID: | G4702-07 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 100 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 16.5 | | 1 | 0.21 | 0.21 | 0.84 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |
| 7440-39-3 | Barium | 56.2 | | 1 | 0.336 | 1.05 | 4.2 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |
| 7440-43-9 | Cadmium | 0.523 | | 1 | 0.05 | 0.063 | 0.252 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |
| 7440-47-3 | Chromium | 10.7 | | 1 | 0.105 | 0.105 | 0.42 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |
| 7439-92-1 | Lead | 139 | | 1 | 0.101 | 0.21 | 0.504 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |
| 7439-97-6 | Mercury | 0.234 | | 1 | 0.007 | 0.007 | 0.014 | mg/Kg | 12/10/15 11:52 | 12/11/15 18:49 | SW7471A |
| 7782-49-2 | Selenium | 0.21 | U | 1 | 0.21 | 0.21 | 0.84 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |
| 7440-22-4 | Silver | 2.21 | | 1 | 0.105 | 0.105 | 0.42 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:33 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 11/18/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 11/20/15 |
| Client Sample ID: | TP8(2-4) | SDG No.: | G4702 |
| Lab Sample ID: | G4702-08 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 100 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 7 | | 1 | 0.207 | 0.207 | 0.83 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |
| 7440-39-3 | Barium | 375 | | 1 | 0.332 | 1.04 | 4.15 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |
| 7440-43-9 | Cadmium | 1.31 | | 1 | 0.05 | 0.062 | 0.249 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |
| 7440-47-3 | Chromium | 21.3 | | 1 | 0.104 | 0.104 | 0.415 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |
| 7439-92-1 | Lead | 549 | | 1 | 0.1 | 0.207 | 0.498 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |
| 7439-97-6 | Mercury | 0.424 | | 1 | 0.006 | 0.006 | 0.012 | mg/Kg | 12/10/15 11:52 | 12/11/15 18:51 | SW7471A |
| 7782-49-2 | Selenium | 0.207 | U | 1 | 0.207 | 0.207 | 0.83 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |
| 7440-22-4 | Silver | 2.16 | | 1 | 0.104 | 0.104 | 0.415 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:37 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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N =Spiked sample recovery not within control limits

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4702 | **OrderDate:** | 12/8/2015 10:00:00 AM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | I42 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4702-04** | **TP1(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4702-05** | **TP5(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4702-06** | **TP6(1-3)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4702-07** | **TP7(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4702-08** | **TP8(2-4)** | **SOIL** | | | **11/18/15** | | | **11/20/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G45271
QUOTE NO.
COC Number 035238 G4702 6.1

### CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: LaBella Associates DPC
ADDRESS: 300 Pearl Street Suite 30
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Chris Kibler
PHONE: 716 551 6288 FAX: 716 551 6288

### CLIENT PROJECT INFORMATION
PROJECT NAME: Buffalo Marine Riverfront
PROJECT NO.: 215177 LOCATION: Buffalo NY
PROJECT MANAGER: Adam Zebrowski
e-mail: azebrowski@labellapc.com
PHONE: 716 551 6281 FAX: 716 551 6288

### CLIENT BILLING INFORMATION
BILL TO: LaBella Associates, DPC PO#: 215177
ADDRESS: 300 Pearl St.
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Adam Z. PHONE: 716 551 6281

### DATA TURNAROUND INFORMATION
FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: Standard-10 DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION
☒ LEVEL 1: Results only ☐ Others _____
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format: _____

### ANALYSIS
1 TCL VOCs 8260
2 TCL SVOCs 8270
3 TCL Pesticides 8081
4 TCL PCBs 8082
5 RCRA Metals 6010 PAH
6
7 DOH 310-13 C.S.
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TP2 (4-6') | Soil | | X | 11-18-15 | 10:05 | 2 | X | X | X | X | X | | | | |
| 2. | TP3 (2-4') | Soil | | X | 11-18-15 | 12:10 | 2 | X | X | X | X | X | | | | |
| 3. | TP4 (2-4') | Soil | | X | 11-18-15 | 13:30 | 2 | X | X | X | X | X | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | TP1 (2-4') | Soil | | X | 11-18-15 | 9:30 | 2 | X | X | X | X | X | | | | |
| 6. | TP5 (2-4') | Soil | | X | 11-18-15 | 14:00 | 2 | X | X | X | X | X | | | | |
| 7. | TP6 (2-3') | Soil | | X | 11-18-15 | 14:30 | 2 | X | X | X | X | X | | | | |
| 8. | TP7 (2-4') | Soil | | X | 11-18-15 | 14:40 | 2 | X | X | X | X | X | | | | |
| 9. | TP8 (2-4') | Soil | | X | 11-18-15 | 14:50 | 2 | X | X | X | X | X | | | | |
| 10. | TP3 Grease Cylinder | | | X | 11-18-15 | 12:15 | 2 | | | | | | | X | | |

Copy
Original Documents are included in COC
Signature
Date

### COMMENTS
← Specify Preservatives
A – HCl B – $HNO_3$ C – $H_2SO_4$ D – NaOH
E – ICE F – Other

Hold
Hold
Hold
Hold
Hold
Hold

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| | DATE/TIME | | |
|---|---|---|---|
| 1. RELINQUISHED BY SAMPLER: | 11-18-15 4pm | 1. RECEIVED BY: | |
| 2. RELINQUISHED BY: | DATE/TIME: | 2. RECEIVED BY: | |
| 3. RELINQUISHED BY: UPS | DATE/TIME 10:20 11-20-15 | 3. RECEIVED FOR LAB BY: | |

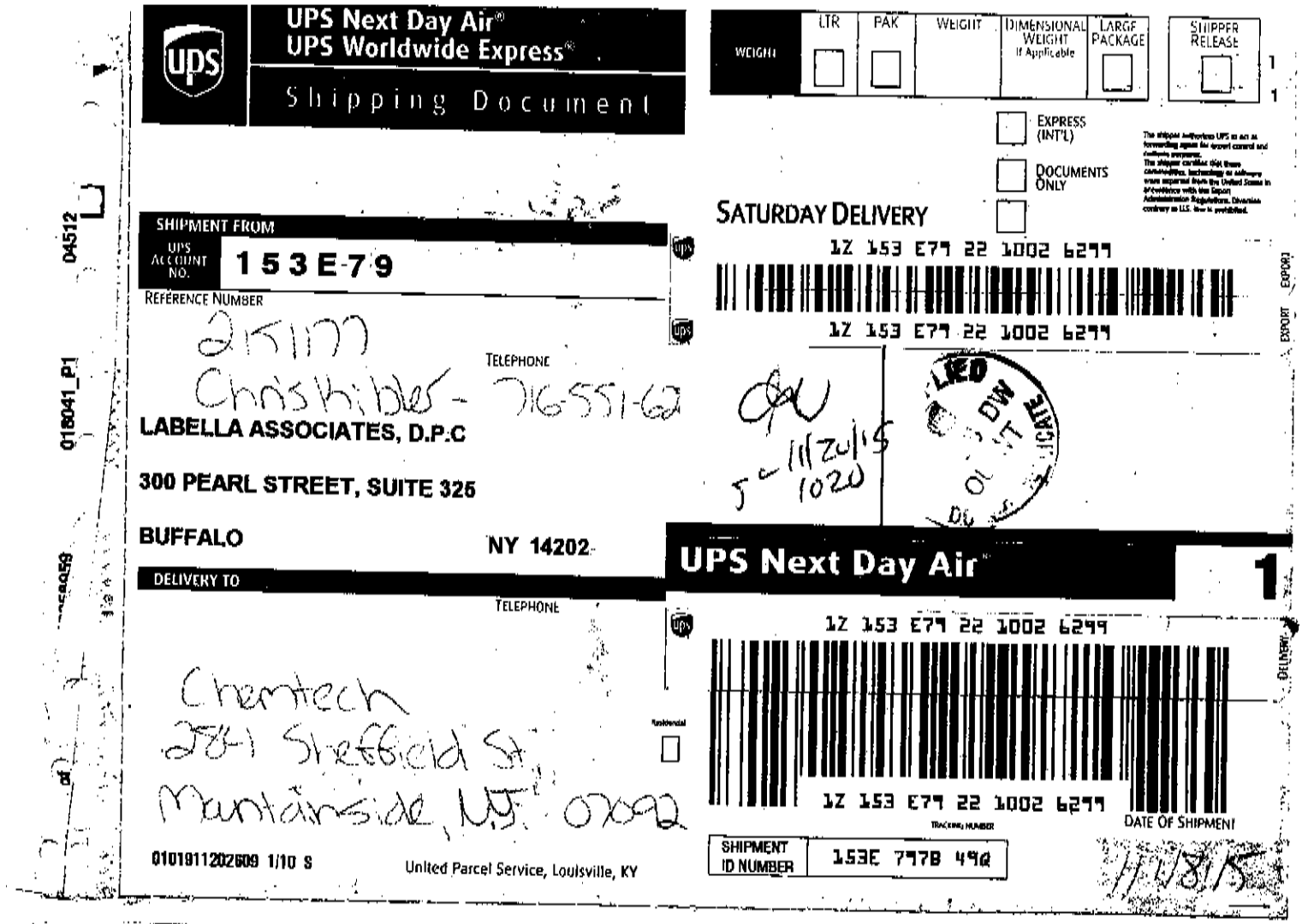
Conditions of bottles or coolers at receipt: ☐ Compliant ☒ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 5°C
Ice in Cooler? YES

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



UPS Next Day Air®
UPS Worldwide Express®
Shipping Document

WEIGHT | LTR | PAK | WEIGHT | DIMENSIONAL WEIGHT If Applicable | LARGE PACKAGE | SHIPPER RELEASE

EXPRESS (INT'L)
DOCUMENTS ONLY

SATURDAY DELIVERY

SHIPMENT FROM
UPS ACCOUNT NO. 153E79
REFERENCE NUMBER
215177
Chris Kibler - 716-551-62
TELEPHONE
LABELLA ASSOCIATES, D.P.C
300 PEARL STREET, SUITE 325
BUFFALO NY 14202

1Z 153 E79 22 1002 6299

5 - 11/20/15
1020

DELIVERY TO
TELEPHONE
Chemtech
2581 Sheffield St.
Mountainside, NJ 07092

UPS Next Day Air 1

1Z 153 E79 22 1002 6299

TRACKING NUMBER
DATE OF SHIPMENT
11/18/15

SHIPMENT ID NUMBER 153E 7978 490

0101911202609 1/10 S
United Parcel Service, Louisville, KY

Copy
Original Documents are included in CSF 64527

Signature

12/8/15
Date

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

# Laboratory Certification

| State | License No. |
|---|---|
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Connecticut | PH-0649 |
| | |
| Florida | E87935 |
| | |
| Louisiana | 5035 |
| | |
| Maryland | 296 |
| | |
| Massachusetts | M-NJ503 |
| | |
| Pennsylvania | 68-548 |
| | |
| Rhode Island | LAO00259 |
| | |
| Virginia | 460220 |
| | |
| Texas | T10470448-10-1 |

Other :

| | |
|---|---|
| DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025 | L2219 |
| | |
| Soil Permit | P330-11-00012 |
| | |
| CLP Inorganic Contract | EPW09038 |
| | |
| CLP Organic Contract | EPW11030 |

QA Control Code: A2070148

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# DATA PACKAGE

METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

**PROJECT NAME : 1660 NIAGARA STREET, BUFFALO, NY**

**LABELLA ASSOCIATES P.C.**

**300 State Street**

**Suite 201**

**Rochester, NY - 14614**

**Phone No: 585-295-6253**

**ORDER ID : G4725**

**ATTENTION : Adam Zebrowski**

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH

Table Of Contents for G4725

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# Cover Page

**Order ID :** G4725

**Project ID :** 1660 Niagara Street, Buffalo, NY

**Client :** LaBella Associates P.C.

| Lab Sample Number | Client Sample Number |
|---|---|
| G4725-01 | SB1(9-10) |
| G4725-02 | SB2(2-4) |
| G4725-03 | SB3(2-4) |
| G4725-04 | SB4(12-14) |
| G4725-05 | SB5A(9-10) |
| G4725-06 | SB6(4-8) |
| G4725-07 | SB7(2-4) |
| G4725-08 | SB8(18-20) |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 8:21 am, Dec 23, 2015*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4725**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
8 Solid samples were received on 12/09/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator. The analysis performed on instrument MSVOA_H were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied BY OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis of VOCMS Group1 was based on method 8260C.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for SB3(2-4) [4-Bromofluorobenzene - 23%], SB6(4-8) [Toluene-d8 – 125%].

The Internal Standards Areas met the acceptable requirements except for SB2(2-4), SB2(2-4)RE, SB3(2-4), SB3(2-4)RE, SB7(2-4), SB7(2-4)RE, K206-0-2MS and K206-0-2MSD.

The Retention Times were acceptable for all samples.

The MS {G4739-05MS} with File ID: VD048065.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[207%], 1,2,4-Trimethylbenzene[153%], 1,2-Dibromo-3-Chloropropane[178%], 1,3,5-Trimethylbenzene[164%], Carbon disulfide[54%], Isopropylbenzene[178%], Methyl Acetate[329%], N-propylbenzene[138%], Sec-butylbenzene[140%] and tert-Butylbenzene[177%] .

The MSD {G4739-06MSD} with File ID: VD048066.D recoveries met the acceptable requirements except for 1,1,2,2-Tetrachloroethane[245%], 1,2,4-Trimethylbenzene[174%], 1,2-Dibromo-3-Chloropropane[190%], 1,3,5-Trimethylbenzene[189%], Carbon disulfide[50%], Isopropylbenzene[206%], Methyl Acetate[288%], N-propylbenzene[151%], p-Isopropyltoluene[151%], Sec-butylbenzene[157%] and tert-Butylbenzene[218%] .

The RPD for {G4739-06MSD} with File ID: VD048066.D recoveries met criteria except for Bromochloromethane[25%], tert-Butylbenzene[21%] .

The Blank Spike for {VD1211SBS01} with File ID: VD048064.D met requirements for all samples except for Methylene Chloride[136%] .

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration File ID VD048062.D met the requirements except for Bromoform, 1,2,4-Trichlorobenzene and 1,2-Dichloroethane-d4 .

The Continuous Calibration File ID VH057729.D met the requirements except for 1,2,4-Trichlorobenzene, Naphthalene and 1,2,3-Trichlorobenzene .

The Tuning criteria met requirements.
Samples SB5A(9-10) was diluted before analysis due to the high concentration of target compounds and the sample matrix.
Sample SB6(4-8) was diluted due to high concentration.

**E. Additional Comments:**

**F. Manual Integration Comments:**

~~I certify that the data package is in compliance with the terms and conditions of the~~ contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 8:21 am, Dec 23, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4725**
**Test Name: SVOCMS Group1**

**A. Number of Samples and Date of Receipt:**
8 Solid samples were received on 12/09/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group1 was based on method 8270D and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration File ID BF083684.D met the requirements except for 4-Nitrophenol, Hexachlorocyclopentadiene and Pentachlorophenol .
The Tuning criteria met requirements.

**E. Additional Comments:**

**F. Manual Integration Comments:**

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Signature__ Mildred V Reyes ____

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 8:21 am, Dec 23, 2015*

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4725**
**Test Name: PCB**

**A. Number of Samples and Date of Receipt:**
8 Solid samples were received on 12/09/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for PCB.

**C. Analytical Techniques:**
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SB1(9-10) [Decachlorobiphenyl(1) - 49%, Decachlorobiphenyl(2) - 47%], SB1(9-10)RE [Decachlorobiphenyl(1) - 46%, Decachlorobiphenyl(2) - 43%], SB2(2-4) [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 50%], SB2(2-4)RE [Decachlorobiphenyl(1) - 54%, Decachlorobiphenyl(2) - 47%], SB3(2-4) [Decachlorobiphenyl(1) - 40%, Decachlorobiphenyl(2) - 41%], SB3(2-4)RE [Decachlorobiphenyl(1) - 38%, Decachlorobiphenyl(2) - 36%], SB4(12-14) [Decachlorobiphenyl(1) - 26%, Decachlorobiphenyl(2) - 23%], SB4(12-14)RE [Decachlorobiphenyl(1) - 23%, Decachlorobiphenyl(2) - 21%], SB5A(9-10) [Decachlorobiphenyl(1) - 58%, Decachlorobiphenyl(2) - 56%], SB5A(9-10)RE [Decachlorobiphenyl(1) - 55%, Decachlorobiphenyl(2) - 52%], SB6(4-8) [Decachlorobiphenyl(2) - 56%], SB7(2-4) [Decachlorobiphenyl(1) - 38%, Decachlorobiphenyl(2) - 39%], SB7(2-4)RE [Decachlorobiphenyl(1) - 37%, Decachlorobiphenyl(2) - 36%], SB8(18-20) [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 47%] and SB8(18-20)RE [Decachlorobiphenyl(1) - 52%, Decachlorobiphenyl(2) - 47%].

The Retention Times were acceptable for all samples.

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The MS {G4759-02MS} with File ID: PO026517.D recoveries met the requirements for all compounds except for AR1260[307%] .

The MSD {G4759-03MSD} with File ID: PO026518.D recoveries met the acceptable requirements except for AR1260[294%] .

The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID PO026453.D met the requirements except for Decachlorobiphenyl is failing in 2nd column but passing in 1st column.

The Continuous Calibration File ID PO026466.D met the requirements except for Decachlorobiphenyl is failing in 2nd column but passing in 1st column.

The Continuous Calibration File ID PO026526.D met the requirements except for Aroclor-1016(Peak-01,03) and Tetrachloro-m-xylene are failing in both the columns while Aroclor-1016(Peak-02,04) and Decachlorobiphenyl are failing in 2nd column but passing in 1st column.

The Continuous Calibration File ID PO026539.D met the requirements except for Aroclor-1016(Peak-01,03) and Tetrachloro-m-xylene are failing in both the columns while Aroclor-1016(Peak-02,04) is failing in 2nd column but passing in 1st column.

**E. Additional Comments:**

**F. Manual Integration Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 8:21 am, Dec 23, 2015*

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# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4725**
**Test Name: Metals ICP-RCRA, Mercury**

**A. Number of Samples and Date of Receipt:**
8 Solid samples were received on 12/09/2015.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB, SVOCMS Group1 and VOCMS Group1. This data package contains results for Metals ICP-RCRA, Mercury.

**C. Analytical Techniques:**
The analysis of Metals ICP-RCRA was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (SB8(18-20)L) met criteria for all samples except for Chromium.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 8:21 am, Dec 23, 2015*

# DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** G4725

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**1st Level QA Review Signature:** SHIVANGI PANCHAL **Date:** 12/23/2015

**2nd Level QA Review Signature:** Mildred V Reyes Date:

APPROVED
By Mildred V Reyes, QAQC Supervisor at 8:19 am, Dec 23, 2015

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Hit Summary Sheet
**SW-846**

**SDG No.:** G4725

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **SB1(9-10)** | | | | | | | | |
| G4725-01 | SB1(9-10) | SOIL | Acetone | 140.00 | | 3.6 | 3.6 | 36.3 | ug/Kg |
| G4725-01 | SB1(9-10) | SOIL | Carbon Disulfide | 1.90 | J | 0.73 | 0.73 | 7.3 | ug/Kg |
| G4725-01 | SB1(9-10) | SOIL | 2-Butanone | 45.80 | | 4.5 | 10.9 | 36.3 | ug/Kg |
| | | | **Total Voc :** | 187.7 | | | | | |
| | | | **Total Concentration:** | 187.7 | | | | | |
| **Client ID:** | **SB2(2-4)** | | | | | | | | |
| G4725-02 | SB2(2-4) | SOIL | Acetone | 52.10 | | 2.8 | 2.8 | 28 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Carbon Disulfide | 3.90 | J | 0.56 | 0.56 | 5.6 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | 2-Butanone | 11.20 | J | 3.5 | 8.4 | 28 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Tetrachloroethene | 1.30 | J | 0.56 | 0.56 | 5.6 | ug/Kg |
| | | | **Total Voc :** | 68.5 | | | | | |
| | | | **Total Concentration:** | 68.5 | | | | | |
| **Client ID:** | **SB2(2-4)RE** | | | | | | | | |
| G4725-02RE | SB2(2-4)RE | SOIL | Acetone | 38.80 | | 2.8 | 2.8 | 27.9 | ug/Kg |
| G4725-02RE | SB2(2-4)RE | SOIL | Carbon Disulfide | 2.60 | J | 0.56 | 0.56 | 5.6 | ug/Kg |
| G4725-02RE | SB2(2-4)RE | SOIL | 2-Butanone | 8.60 | J | 3.5 | 8.4 | 27.9 | ug/Kg |
| | | | **Total Voc :** | 50 | | | | | |
| | | | **Total Concentration:** | 50 | | | | | |
| **Client ID:** | **SB3(2-4)** | | | | | | | | |
| G4725-03 | SB3(2-4) | SOIL | Acetone | 11.90 | J | 3.1 | 3.1 | 31.2 | ug/Kg |
| G4725-03 | SB3(2-4) | SOIL | Methylcyclohexane | 1.90 | J | 0.62 | 0.62 | 6.2 | ug/Kg |
| | | | **Total Voc :** | 13.8 | | | | | |
| | | | **Total Concentration:** | 13.8 | | | | | |
| **Client ID:** | **SB3(2-4)RE** | | | | | | | | |
| G4725-03RE | SB3(2-4)RE | SOIL | Acetone | 10.20 | J | 3.1 | 3.1 | 31.3 | ug/Kg |
| | | | **Total Voc :** | 10.2 | | | | | |
| | | | **Total Concentration:** | 10.2 | | | | | |
| **Client ID:** | **SB4(12-14)** | | | | | | | | |
| G4725-04 | SB4(12-14) | SOIL | Acetone | 260.00 | | 3.6 | 3.6 | 36.2 | ug/Kg |
| G4725-04 | SB4(12-14) | SOIL | Carbon Disulfide | 1.60 | J | 0.72 | 0.72 | 7.2 | ug/Kg |
| G4725-04 | SB4(12-14) | SOIL | 2-Butanone | 67.10 | | 4.5 | 10.9 | 36.2 | ug/Kg |
| | | | **Total Voc :** | 328.7 | | | | | |
| | | | **Total Concentration:** | 328.7 | | | | | |
| **Client ID:** | **SB5A(9-10)** | | | | | | | | |
| G4725-05 | SB5A(9-10) | SOIL | Methylcyclohexane | 26,400.00 | | 680 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Benzene | 19,100.00 | | 520 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Toluene | 45,100.00 | | 680 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Ethyl Benzene | 36,100.00 | | 680 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | m/p-Xylenes | 93,300.00 | | 980 | 1400 | 13700 | ug/Kg |

# Hit Summary Sheet
**SW-846**

**SDG No.:** G4725

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| G4725-05 | SB5A(9-10) | SOIL | o-Xylene | 14,100.00 | | 680 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Isopropylbenzene | 9,600.00 | | 660 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | n-propylbenzene | 44,100.00 | | 490 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | 1,3,5-Trimethylbenzene | 12,400.00 | | 620 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | 1,2,4-Trimethylbenzene | 42,700.00 | | 680 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | sec-Butylbenzene | 5,000.00 | J | 680 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | p-Isopropyltoluene | 2,100.00 | J | 400 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | n-Butylbenzene | 13,600.00 | | 630 | 680 | 6800 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Naphthalene | 34,000.00 | | 620 | 680 | 6800 | ug/Kg |
| | | | **Total Voc :** | 397600 | | | | | |
| | | | **Total Concentration:** | 397600 | | | | | |
| **Client ID:** | **SB6(4-8)** | | | | | | | | |
| G4725-06 | SB6(4-8) | SOIL | Carbon Disulfide | 2.20 | J | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Cyclohexane | 710.00 | E | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Methylcyclohexane | 1,700.00 | E | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Benzene | 93.20 | | 0.5 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Toluene | 29.00 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Ethyl Benzene | 190.00 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | m/p-Xylenes | 740.00 | E | 0.94 | 1.3 | 13 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | o-Xylene | 170.00 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Isopropylbenzene | 150.00 | | 0.63 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | n-propylbenzene | 280.00 | E | 0.47 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | 1,3,5-Trimethylbenzene | 400.00 | E | 0.59 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | 1,2,4-Trimethylbenzene | 870.00 | E | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | sec-Butylbenzene | 34.10 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | p-Isopropyltoluene | 29.40 | | 0.38 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | n-Butylbenzene | 87.20 | | 0.6 | 0.65 | 6.5 | ug/Kg |
| G4725-06 | SB6(4-8) | SOIL | Naphthalene | 66.10 | | 0.59 | 0.65 | 6.5 | ug/Kg |
| | | | **Total Voc :** | 5551.2 | | | | | |
| | | | **Total Concentration:** | 5551.2 | | | | | |
| **Client ID:** | **SB6(4-8)ME** | | | | | | | | |
| G4725-06ME | SB6(4-8)ME | SOIL | Cyclohexane | 920.00 | D | 65.7 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | Methylcyclohexane | 7,000.00 | D | 65.7 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | Benzene | 1,200.00 | D | 50 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | Toluene | 470.00 | JD | 65.7 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | Ethyl Benzene | 780.00 | D | 65.7 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | m/p-Xylenes | 2,800.00 | D | 94.7 | 130 | 1300 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | o-Xylene | 290.00 | JD | 65.7 | 65.7 | 660 | ug/Kg |

# Hit Summary Sheet
**SW-846**

**SDG No.:** G4725

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| G4725-06ME | SB6(4-8)ME | SOIL | Isopropylbenzene | 730.00 | D | 63.1 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | n-propylbenzene | 2,700.00 | D | 47.3 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | 1,3,5-Trimethylbenzene | 720.00 | D | 59.2 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | 1,2,4-Trimethylbenzene | 2,100.00 | D | 65.7 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | sec-Butylbenzene | 310.00 | JD | 65.7 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | n-Butylbenzene | 840.00 | D | 60.5 | 65.7 | 660 | ug/Kg |
| G4725-06ME | SB6(4-8)ME | SOIL | Naphthalene | 850.00 | D | 59.2 | 65.7 | 660 | ug/Kg |
| | | | **Total Voc :** | 21710 | | | | | |
| | | | **Total Concentration:** | 21710 | | | | | |
| **Client ID:** | **SB7(2-4)** | | | | | | | | |
| G4725-07 | SB7(2-4) | SOIL | Acetone | 75.20 | | 3.1 | 3.1 | 30.8 | ug/Kg |
| G4725-07 | SB7(2-4) | SOIL | 2-Butanone | 15.80 | J | 3.8 | 9.2 | 30.8 | ug/Kg |
| G4725-07 | SB7(2-4) | SOIL | 1,2,4-Trimethylbenzene | 1.40 | J | 0.62 | 0.62 | 6.2 | ug/Kg |
| G4725-07 | SB7(2-4) | SOIL | Naphthalene | 1.40 | J | 0.55 | 0.62 | 6.2 | ug/Kg |
| | | | **Total Voc :** | 93.8 | | | | | |
| | | | **Total Concentration:** | 93.8 | | | | | |
| **Client ID:** | **SB7(2-4)RE** | | | | | | | | |
| G4725-07RE | SB7(2-4)RE | SOIL | Acetone | 72.10 | | 3.1 | 3.1 | 30.7 | ug/Kg |
| G4725-07RE | SB7(2-4)RE | SOIL | Methylene Chloride | 2.10 | JQ | 0.61 | 0.61 | 6.1 | ug/Kg |
| G4725-07RE | SB7(2-4)RE | SOIL | 2-Butanone | 15.20 | J | 3.8 | 9.2 | 30.7 | ug/Kg |
| | | | **Total Voc :** | 89.4 | | | | | |
| | | | **Total Concentration:** | 89.4 | | | | | |
| **Client ID:** | **SB8(18-20)** | | | | | | | | |
| G4725-08 | SB8(18-20) | SOIL | Vinyl Chloride | 2.10 | J | 0.59 | 0.59 | 5.9 | ug/Kg |
| G4725-08 | SB8(18-20) | SOIL | Acetone | 12.30 | J | 2.9 | 2.9 | 29.5 | ug/Kg |
| G4725-08 | SB8(18-20) | SOIL | cis-1,2-Dichloroethene | 10.40 | | 0.59 | 0.59 | 5.9 | ug/Kg |
| | | | **Total Voc :** | 24.8 | | | | | |
| | | | **Total Concentration:** | 24.8 | | | | | |

# SAMPLE DATA

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 31.1 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048053.D | 1 | | 12/10/15 20:35 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 74-87-3 | Chloromethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 74-83-9 | Bromomethane | 1.5 | U | 1.5 | 1.5 | 7.3 | ug/Kg |
| 75-00-3 | Chloroethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 67-64-1 | Acetone | 140 | | 3.6 | 3.6 | 36.3 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 1.9 | J | 0.73 | 0.73 | 7.3 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.5 | U | 1.5 | 1.5 | 7.3 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 78-93-3 | 2-Butanone | 45.8 | | 4.5 | 10.9 | 36.3 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 67-66-3 | Chloroform | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 71-43-2 | Benzene | 0.73 | U | 0.55 | 0.73 | 7.3 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.73 | U | 0.38 | 0.73 | 7.3 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.6 | U | 3.6 | 3.6 | 36.3 | ug/Kg |
| 108-88-3 | Toluene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 31.1 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048053.D | 1 | | 12/10/15 20:35 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.5 | U | 1.3 | 1.5 | 7.3 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.6 | U | 3.6 | 3.6 | 36.3 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.5 | U | 1 | 1.5 | 14.5 | ug/Kg |
| 95-47-6 | o-Xylene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 100-42-5 | Styrene | 0.73 | U | 0.65 | 0.73 | 7.3 | ug/Kg |
| 75-25-2 | Bromoform | 2.2 | U | 1.1 | 2.2 | 7.3 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.73 | U | 0.7 | 0.73 | 7.3 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.73 | U | 0.67 | 0.73 | 7.3 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.73 | U | 0.52 | 0.73 | 7.3 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.73 | U | 0.65 | 0.73 | 7.3 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.73 | U | 0.42 | 0.73 | 7.3 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.73 | U | 0.54 | 0.73 | 7.3 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.73 | U | 0.6 | 0.73 | 7.3 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.73 | U | 0.67 | 0.73 | 7.3 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7.3 | U | 1.3 | 7.3 | 7.3 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.73 | U | 0.73 | 0.73 | 7.3 | ug/Kg |
| 91-20-3 | Naphthalene | 0.73 | U | 0.65 | 0.73 | 7.3 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.5 | U | 0.73 | 1.5 | 7.3 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 150 | U | 150 | 150 | 150 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 33 | | 56 - 120 | | 66% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 41.1 | | 57 - 135 | | 82% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 38.3 | | 67 - 123 | | 77% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 30.5 | | 33 - 141 | | 61% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 31.1 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048053.D | 1 | | 12/10/15 20:35 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 323774 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 514440 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 476295 | 11.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 204307 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 4.98 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048054.D | 1 | | 12/10/15 21:03 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 74-87-3 | Chloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 74-83-9 | Bromomethane | 1.1 | U | 1.1 | 1.1 | 5.6 | ug/Kg |
| 75-00-3 | Chloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 67-64-1 | Acetone | 52.1 | | 2.8 | 2.8 | 28 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 3.9 | J | 0.56 | 0.56 | 5.6 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.1 | U | 1.1 | 1.1 | 5.6 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 78-93-3 | 2-Butanone | 11.2 | J | 3.5 | 8.4 | 28 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 67-66-3 | Chloroform | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 71-43-2 | Benzene | 0.56 | U | 0.42 | 0.56 | 5.6 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.56 | U | 0.29 | 0.56 | 5.6 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.8 | U | 2.8 | 2.8 | 28 | ug/Kg |
| 108-88-3 | Toluene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 4.98 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048054.D | 1 | | 12/10/15 21:03 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.1 | U | 1 | 1.1 | 5.6 | ug/Kg |
| 591-78-6 | 2-Hexanone | 2.8 | U | 2.8 | 2.8 | 28 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 1.3 | J | 0.56 | 0.56 | 5.6 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.1 | U | 0.81 | 1.1 | 11.2 | ug/Kg |
| 95-47-6 | o-Xylene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 100-42-5 | Styrene | 0.56 | U | 0.5 | 0.56 | 5.6 | ug/Kg |
| 75-25-2 | Bromoform | 1.7 | U | 0.83 | 1.7 | 5.6 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.56 | U | 0.54 | 0.56 | 5.6 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.56 | U | 0.51 | 0.56 | 5.6 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.56 | U | 0.4 | 0.56 | 5.6 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.56 | U | 0.5 | 0.56 | 5.6 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.56 | U | 0.32 | 0.56 | 5.6 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.56 | U | 0.41 | 0.56 | 5.6 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.56 | U | 0.46 | 0.56 | 5.6 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.56 | U | 0.51 | 0.56 | 5.6 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.6 | U | 0.97 | 5.6 | 5.6 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 91-20-3 | Naphthalene | 0.56 | U | 0.5 | 0.56 | 5.6 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.1 | U | 0.56 | 1.1 | 5.6 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 110 | U | 110 | 110 | 110 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 34.7 | | 56 - 120 | | 69% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 32.4 | | 57 - 135 | | 65% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 38.1 | | 67 - 123 | | 76% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 25.9 | | 33 - 141 | | 52% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 4.98 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048054.D | 1 | | 12/10/15 21:03 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 302049 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 481052 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 409145 | 11.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 125700 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048071.D | 1 | | 12/11/15 16:51 | VD121115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 74-87-3 | Chloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 74-83-9 | Bromomethane | 1.1 | U | 1.1 | 1.1 | 5.6 | ug/Kg |
| 75-00-3 | Chloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 67-64-1 | Acetone | 38.8 | | 2.8 | 2.8 | 27.9 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 2.6 | J | 0.56 | 0.56 | 5.6 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.1 | U | 1.1 | 1.1 | 5.6 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.56 | UQ | 0.56 | 0.56 | 5.6 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 78-93-3 | 2-Butanone | 8.6 | J | 3.5 | 8.4 | 27.9 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 67-66-3 | Chloroform | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 71-43-2 | Benzene | 0.56 | U | 0.42 | 0.56 | 5.6 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.56 | U | 0.29 | 0.56 | 5.6 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.8 | U | 2.8 | 2.8 | 27.9 | ug/Kg |
| 108-88-3 | Toluene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048071.D | 1 | | 12/11/15 16:51 | VD121115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.1 | U | 1 | 1.1 | 5.6 | ug/Kg |
| 591-78-6 | 2-Hexanone | 2.8 | U | 2.8 | 2.8 | 27.9 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.1 | U | 0.8 | 1.1 | 11.2 | ug/Kg |
| 95-47-6 | o-Xylene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 100-42-5 | Styrene | 0.56 | U | 0.5 | 0.56 | 5.6 | ug/Kg |
| 75-25-2 | Bromoform | 1.7 | U | 0.83 | 1.7 | 5.6 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.56 | U | 0.54 | 0.56 | 5.6 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.56 | U | 0.51 | 0.56 | 5.6 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.56 | U | 0.4 | 0.56 | 5.6 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.56 | U | 0.5 | 0.56 | 5.6 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.56 | U | 0.32 | 0.56 | 5.6 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.56 | U | 0.41 | 0.56 | 5.6 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.56 | U | 0.46 | 0.56 | 5.6 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.56 | U | 0.51 | 0.56 | 5.6 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.6 | U | 0.97 | 5.6 | 5.6 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.56 | U | 0.56 | 0.56 | 5.6 | ug/Kg |
| 91-20-3 | Naphthalene | 0.56 | U | 0.5 | 0.56 | 5.6 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.1 | U | 0.56 | 1.1 | 5.6 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 110 | U | 110 | 110 | 110 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.1 | | 56 - 120 | | 78% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.5 | | 57 - 135 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 40 | | 67 - 123 | | 80% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 28.2 | | 33 - 141 | | 56% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048071.D | 1 | | 12/11/15 16:51 | VD121115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 270184 | 6.32 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 424817 | 7.44 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 374816 | 11.6 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 110124 | 13.94 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 5.02 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048055.D | 1 | | 12/10/15 21:30 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 74-87-3 | Chloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 74-83-9 | Bromomethane | 1.2 | U | 1.2 | 1.2 | 6.2 | ug/Kg |
| 75-00-3 | Chloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 67-64-1 | Acetone | 11.9 | J | 3.1 | 3.1 | 31.2 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.2 | U | 1.2 | 1.2 | 6.2 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 78-93-3 | 2-Butanone | 9.4 | U | 3.9 | 9.4 | 31.2 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 67-66-3 | Chloroform | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 1.9 | J | 0.62 | 0.62 | 6.2 | ug/Kg |
| 71-43-2 | Benzene | 0.62 | U | 0.47 | 0.62 | 6.2 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.62 | U | 0.32 | 0.62 | 6.2 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.1 | U | 3.1 | 3.1 | 31.2 | ug/Kg |
| 108-88-3 | Toluene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 5.02 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048055.D | 1 | | 12/10/15 21:30 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.2 | U | 1.1 | 1.2 | 6.2 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.1 | U | 3.1 | 3.1 | 31.2 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.2 | U | 0.9 | 1.2 | 12.5 | ug/Kg |
| 95-47-6 | o-Xylene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 100-42-5 | Styrene | 0.62 | U | 0.56 | 0.62 | 6.2 | ug/Kg |
| 75-25-2 | Bromoform | 1.9 | U | 0.92 | 1.9 | 6.2 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.62 | U | 0.6 | 0.62 | 6.2 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.62 | U | 0.57 | 0.62 | 6.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.62 | U | 0.45 | 0.62 | 6.2 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.62 | U | 0.56 | 0.62 | 6.2 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.62 | U | 0.36 | 0.62 | 6.2 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.62 | U | 0.46 | 0.62 | 6.2 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.62 | U | 0.51 | 0.62 | 6.2 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.62 | U | 0.57 | 0.62 | 6.2 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.2 | U | 1.1 | 6.2 | 6.2 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 91-20-3 | Naphthalene | 0.62 | U | 0.56 | 0.62 | 6.2 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.2 | U | 0.62 | 1.2 | 6.2 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 120 | U | 120 | 120 | 120 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 37.2 | | 56 - 120 | | 74% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.5 | | 57 - 135 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 33.8 | | 67 - 123 | | 68% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 11.7 | * | 33 - 141 | | 23% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 5.02 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048055.D | 1 | | 12/10/15 21:30 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 216166 | 6.3 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 328929 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 194412 | 11.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 28572 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048097.D | 1 | | 12/14/15 20:17 | VD121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 74-87-3 | Chloromethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 74-83-9 | Bromomethane | 1.3 | U | 1.3 | 1.3 | 6.3 | ug/Kg |
| 75-00-3 | Chloroethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 67-64-1 | Acetone | 10.2 | J | 3.1 | 3.1 | 31.3 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.3 | U | 1.3 | 1.3 | 6.3 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 78-93-3 | 2-Butanone | 9.4 | U | 3.9 | 9.4 | 31.3 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 67-66-3 | Chloroform | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 71-43-2 | Benzene | 0.63 | U | 0.48 | 0.63 | 6.3 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.63 | U | 0.33 | 0.63 | 6.3 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.1 | U | 3.1 | 3.1 | 31.3 | ug/Kg |
| 108-88-3 | Toluene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048097.D | 1 | | 12/14/15 20:17 | VD121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.3 | U | 1.1 | 1.3 | 6.3 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.1 | U | 3.1 | 3.1 | 31.3 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.3 | U | 0.9 | 1.3 | 12.5 | ug/Kg |
| 95-47-6 | o-Xylene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 100-42-5 | Styrene | 0.63 | U | 0.56 | 0.63 | 6.3 | ug/Kg |
| 75-25-2 | Bromoform | 1.9 | U | 0.93 | 1.9 | 6.3 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.63 | U | 0.6 | 0.63 | 6.3 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.63 | U | 0.58 | 0.63 | 6.3 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.63 | U | 0.45 | 0.63 | 6.3 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.63 | U | 0.56 | 0.63 | 6.3 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.63 | U | 0.36 | 0.63 | 6.3 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.63 | U | 0.46 | 0.63 | 6.3 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.63 | U | 0.51 | 0.63 | 6.3 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.63 | U | 0.58 | 0.63 | 6.3 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.3 | U | 1.1 | 6.3 | 6.3 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.63 | U | 0.63 | 0.63 | 6.3 | ug/Kg |
| 91-20-3 | Naphthalene | 0.63 | U | 0.56 | 0.63 | 6.3 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.3 | U | 0.63 | 1.3 | 6.3 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 130 | U | 130 | 130 | 130 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.2 | | 56 - 120 | | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.1 | | 57 - 135 | | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 38.9 | | 67 - 123 | | 78% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 17.6 | | 33 - 141 | | 35% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048097.D | 1 | | 12/14/15 20:17 | VD121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 220490 | 6.34 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 335203 | 7.47 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 214047 | 11.61 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 39906 | 13.95 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 31 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048056.D | 1 | | 12/10/15 21:57 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 74-87-3 | Chloromethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 74-83-9 | Bromomethane | 1.4 | U | 1.4 | 1.4 | 7.2 | ug/Kg |
| 75-00-3 | Chloroethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 67-64-1 | Acetone | 260 | | 3.6 | 3.6 | 36.2 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 1.6 | J | 0.72 | 0.72 | 7.2 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.4 | U | 1.4 | 1.4 | 7.2 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 78-93-3 | 2-Butanone | 67.1 | | 4.5 | 10.9 | 36.2 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 67-66-3 | Chloroform | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 71-43-2 | Benzene | 0.72 | U | 0.55 | 0.72 | 7.2 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.72 | U | 0.38 | 0.72 | 7.2 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.6 | U | 3.6 | 3.6 | 36.2 | ug/Kg |
| 108-88-3 | Toluene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 31 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048056.D | 1 | | 12/10/15 21:57 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.4 | U | 1.3 | 1.4 | 7.2 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.6 | U | 3.6 | 3.6 | 36.2 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.4 | U | 1 | 1.4 | 14.5 | ug/Kg |
| 95-47-6 | o-Xylene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 100-42-5 | Styrene | 0.72 | U | 0.65 | 0.72 | 7.2 | ug/Kg |
| 75-25-2 | Bromoform | 2.2 | U | 1.1 | 2.2 | 7.2 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.72 | U | 0.7 | 0.72 | 7.2 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.72 | U | 0.67 | 0.72 | 7.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.72 | U | 0.52 | 0.72 | 7.2 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.72 | U | 0.65 | 0.72 | 7.2 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.72 | U | 0.42 | 0.72 | 7.2 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.72 | U | 0.54 | 0.72 | 7.2 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.72 | U | 0.59 | 0.72 | 7.2 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.72 | U | 0.67 | 0.72 | 7.2 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 7.2 | U | 1.3 | 7.2 | 7.2 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.72 | U | 0.72 | 0.72 | 7.2 | ug/Kg |
| 91-20-3 | Naphthalene | 0.72 | U | 0.65 | 0.72 | 7.2 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.4 | U | 0.72 | 1.4 | 7.2 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 140 | U | 140 | 140 | 140 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 34.4 | | 56 - 120 | | 69% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 40 | | 57 - 135 | | 80% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 35.6 | | 67 - 123 | | 71% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 26.6 | | 33 - 141 | | 53% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 31 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048056.D | 1 | | 12/10/15 21:57 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 285917 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 463475 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 421777 | 11.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 170669 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 27 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | MED |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057738.D | 10 | | 12/14/15 19:06 | VH121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 74-87-3 | Chloromethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 74-83-9 | Bromomethane | 1400 | U | 1400 | 1400 | 6800 | ug/Kg |
| 75-00-3 | Chloroethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 67-64-1 | Acetone | 3400 | U | 3400 | 3400 | 34200 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1400 | U | 1400 | 1400 | 6800 | ug/Kg |
| 75-09-2 | Methylene Chloride | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 110-82-7 | Cyclohexane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 78-93-3 | 2-Butanone | 10300 | U | 4300 | 10300 | 34200 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 74-97-5 | Bromochloromethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 67-66-3 | Chloroform | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 26400 | | 680 | 680 | 6800 | ug/Kg |
| 71-43-2 | Benzene | 19100 | | 520 | 680 | 6800 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 79-01-6 | Trichloroethene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 680 | U | 360 | 680 | 6800 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3400 | U | 3400 | 3400 | 34200 | ug/Kg |
| 108-88-3 | Toluene | 45100 | | 680 | 680 | 6800 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 680 | U | 680 | 680 | 6800 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 27 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | MED |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057738.D | 10 | | 12/14/15 19:06 | VH121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1400 | U | 1200 | 1400 | 6800 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3400 | U | 3400 | 3400 | 34200 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 108-90-7 | Chlorobenzene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 36100 | | 680 | 680 | 6800 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 93300 | | 980 | 1400 | 13700 | ug/Kg |
| 95-47-6 | o-Xylene | 14100 | | 680 | 680 | 6800 | ug/Kg |
| 100-42-5 | Styrene | 680 | U | 620 | 680 | 6800 | ug/Kg |
| 75-25-2 | Bromoform | 2100 | U | 1000 | 2100 | 6800 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 9600 | | 660 | 680 | 6800 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 680 | U | 630 | 680 | 6800 | ug/Kg |
| 103-65-1 | n-propylbenzene | 44100 | | 490 | 680 | 6800 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 12400 | | 620 | 680 | 6800 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 42700 | | 680 | 680 | 6800 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 5000 | J | 680 | 680 | 6800 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 2100 | J | 400 | 680 | 6800 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 680 | U | 510 | 680 | 6800 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 680 | U | 560 | 680 | 6800 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 13600 | | 630 | 680 | 6800 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6800 | U | 1200 | 6800 | 6800 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 680 | U | 680 | 680 | 6800 | ug/Kg |
| 91-20-3 | Naphthalene | 34000 | | 620 | 680 | 6800 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1400 | U | 680 | 1400 | 6800 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 136700 | U | 136700 | 136700 | 136700 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 35.9 | | 56 - 120 | | 72% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 42.7 | | 57 - 135 | | 85% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 42.9 | | 67 - 123 | | 86% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 43.8 | | 33 - 141 | | 88% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 27 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | MED |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057738.D | 10 | | 12/14/15 19:06 | VH121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 664573 | 4.86 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1127220 | 5.59 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 798878 | 9.74 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 212721 | 12.5 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 5.03 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048057.D | 1 | | 12/10/15 22:24 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 74-87-3 | Chloromethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 74-83-9 | Bromomethane | 1.3 | U | 1.3 | 1.3 | 6.5 | ug/Kg |
| 75-00-3 | Chloroethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 67-64-1 | Acetone | 3.3 | U | 3.3 | 3.3 | 32.6 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 2.2 | J | 0.65 | 0.65 | 6.5 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.3 | U | 1.3 | 1.3 | 6.5 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 110-82-7 | Cyclohexane | 710 | E | 0.65 | 0.65 | 6.5 | ug/Kg |
| 78-93-3 | 2-Butanone | 9.8 | U | 4.1 | 9.8 | 32.6 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 67-66-3 | Chloroform | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 1700 | E | 0.65 | 0.65 | 6.5 | ug/Kg |
| 71-43-2 | Benzene | 93.2 | | 0.5 | 0.65 | 6.5 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.65 | U | 0.34 | 0.65 | 6.5 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.3 | U | 3.3 | 3.3 | 32.6 | ug/Kg |
| 108-88-3 | Toluene | 29 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 5.03 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048057.D | 1 | | 12/10/15 22:24 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.3 | U | 1.2 | 1.3 | 6.5 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.3 | U | 3.3 | 3.3 | 32.6 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 190 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 740 | E | 0.94 | 1.3 | 13 | ug/Kg |
| 95-47-6 | o-Xylene | 170 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| 100-42-5 | Styrene | 0.65 | U | 0.59 | 0.65 | 6.5 | ug/Kg |
| 75-25-2 | Bromoform | 2 | U | 0.97 | 2 | 6.5 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 150 | | 0.63 | 0.65 | 6.5 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.65 | U | 0.6 | 0.65 | 6.5 | ug/Kg |
| 103-65-1 | n-propylbenzene | 280 | E | 0.47 | 0.65 | 6.5 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 400 | E | 0.59 | 0.65 | 6.5 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 870 | E | 0.65 | 0.65 | 6.5 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 34.1 | | 0.65 | 0.65 | 6.5 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 29.4 | | 0.38 | 0.65 | 6.5 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.65 | U | 0.48 | 0.65 | 6.5 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.65 | U | 0.53 | 0.65 | 6.5 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 87.2 | | 0.6 | 0.65 | 6.5 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.5 | U | 1.1 | 6.5 | 6.5 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.65 | U | 0.65 | 0.65 | 6.5 | ug/Kg |
| 91-20-3 | Naphthalene | 66.1 | | 0.59 | 0.65 | 6.5 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.3 | U | 0.65 | 1.3 | 6.5 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 130 | U | 130 | 130 | 130 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.9 | | 56 - 120 | | 86% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.1 | | 57 - 135 | | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 62.3 | * | 67 - 123 | | 125% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.5 | | 33 - 141 | | 99% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 5.03 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048057.D | 1 | | 12/10/15 22:24 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 253719 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 379460 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 404725 | 11.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 186112 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8)ME | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06ME | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | MED |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057733.D | 1 | | 12/14/15 16:50 | VH121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 74-87-3 | Chloromethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 74-83-9 | Bromomethane | 130 | UD | 130 | 130 | 660 | ug/Kg |
| 75-00-3 | Chloroethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 67-64-1 | Acetone | 330 | UD | 330 | 330 | 3300 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 79-20-9 | Methyl Acetate | 130 | UD | 130 | 130 | 660 | ug/Kg |
| 75-09-2 | Methylene Chloride | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 110-82-7 | Cyclohexane | 920 | D | 65.7 | 65.7 | 660 | ug/Kg |
| 78-93-3 | 2-Butanone | 990 | UD | 410 | 990 | 3300 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 74-97-5 | Bromochloromethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 67-66-3 | Chloroform | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 7000 | D | 65.7 | 65.7 | 660 | ug/Kg |
| 71-43-2 | Benzene | 1200 | D | 50 | 65.7 | 660 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 79-01-6 | Trichloroethene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 65.7 | UD | 34.2 | 65.7 | 660 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 330 | UD | 330 | 330 | 3300 | ug/Kg |
| 108-88-3 | Toluene | 470 | JD | 65.7 | 65.7 | 660 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8)ME | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06ME | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | MED |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057733.D | 1 | | 12/14/15 16:50 | VH121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 130 | UD | 120 | 130 | 660 | ug/Kg |
| 591-78-6 | 2-Hexanone | 330 | UD | 330 | 330 | 3300 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 108-90-7 | Chlorobenzene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 780 | D | 65.7 | 65.7 | 660 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 2800 | D | 94.7 | 130 | 1300 | ug/Kg |
| 95-47-6 | o-Xylene | 290 | JD | 65.7 | 65.7 | 660 | ug/Kg |
| 100-42-5 | Styrene | 65.7 | UD | 59.2 | 65.7 | 660 | ug/Kg |
| 75-25-2 | Bromoform | 200 | UD | 97.3 | 200 | 660 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 730 | D | 63.1 | 65.7 | 660 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 65.7 | UD | 60.5 | 65.7 | 660 | ug/Kg |
| 103-65-1 | n-propylbenzene | 2700 | D | 47.3 | 65.7 | 660 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 720 | D | 59.2 | 65.7 | 660 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 2100 | D | 65.7 | 65.7 | 660 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 310 | JD | 65.7 | 65.7 | 660 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 65.7 | UD | 38.1 | 65.7 | 660 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 65.7 | UD | 48.7 | 65.7 | 660 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 65.7 | UD | 53.9 | 65.7 | 660 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 840 | D | 60.5 | 65.7 | 660 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 660 | UD | 110 | 660 | 660 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 65.7 | UD | 65.7 | 65.7 | 660 | ug/Kg |
| 91-20-3 | Naphthalene | 850 | D | 59.2 | 65.7 | 660 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 130 | UD | 65.7 | 130 | 660 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 13100 | UD | 13100 | 13100 | 13100 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 44.6 | | 56 - 120 | | 89% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 45.4 | | 57 - 135 | | 91% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 45.3 | | 67 - 123 | | 91% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.7 | | 33 - 141 | | 99% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8)ME | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06ME | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | 100 uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | MED |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VH057733.D | 1 | | 12/14/15 16:50 | VH121415 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 572070 | 4.86 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 987164 | 5.58 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 762464 | 9.73 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 227872 | 12.5 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048058.D | 1 | | 12/10/15 22:51 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 74-87-3 | Chloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 74-83-9 | Bromomethane | 1.2 | U | 1.2 | 1.2 | 6.2 | ug/Kg |
| 75-00-3 | Chloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 67-64-1 | Acetone | 75.2 | | 3.1 | 3.1 | 30.8 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.2 | U | 1.2 | 1.2 | 6.2 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 78-93-3 | 2-Butanone | 15.8 | J | 3.8 | 9.2 | 30.8 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 67-66-3 | Chloroform | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 71-43-2 | Benzene | 0.62 | U | 0.47 | 0.62 | 6.2 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.62 | U | 0.32 | 0.62 | 6.2 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.1 | U | 3.1 | 3.1 | 30.8 | ug/Kg |
| 108-88-3 | Toluene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048058.D | 1 | | 12/10/15 22:51 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.2 | U | 1.1 | 1.2 | 6.2 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.1 | U | 3.1 | 3.1 | 30.8 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.2 | U | 0.89 | 1.2 | 12.3 | ug/Kg |
| 95-47-6 | o-Xylene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 100-42-5 | Styrene | 0.62 | U | 0.55 | 0.62 | 6.2 | ug/Kg |
| 75-25-2 | Bromoform | 1.8 | U | 0.91 | 1.8 | 6.2 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.62 | U | 0.59 | 0.62 | 6.2 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.62 | U | 0.57 | 0.62 | 6.2 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.62 | U | 0.44 | 0.62 | 6.2 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.62 | U | 0.55 | 0.62 | 6.2 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 1.4 | J | 0.62 | 0.62 | 6.2 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.62 | U | 0.36 | 0.62 | 6.2 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.62 | U | 0.46 | 0.62 | 6.2 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.62 | U | 0.5 | 0.62 | 6.2 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.62 | U | 0.57 | 0.62 | 6.2 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.2 | U | 1.1 | 6.2 | 6.2 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.62 | U | 0.62 | 0.62 | 6.2 | ug/Kg |
| 91-20-3 | Naphthalene | 1.4 | J | 0.55 | 0.62 | 6.2 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.2 | U | 0.62 | 1.2 | 6.2 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 120 | U | 120 | 120 | 120 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 38.4 | | 56 - 120 | | 77% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.5 | | 57 - 135 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 41 | | 67 - 123 | | 82% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 27.2 | | 33 - 141 | | 54% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 4.99 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048058.D | 1 | | 12/10/15 22:51 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 279988 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 428983 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 366300 | 11.57 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 118403 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048073.D | 1 | | 12/11/15 17:45 | VD121115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 74-87-3 | Chloromethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 74-83-9 | Bromomethane | 1.2 | U | 1.2 | 1.2 | 6.1 | ug/Kg |
| 75-00-3 | Chloroethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 67-64-1 | Acetone | 72.1 | | 3.1 | 3.1 | 30.7 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.2 | U | 1.2 | 1.2 | 6.1 | ug/Kg |
| 75-09-2 | Methylene Chloride | 2.1 | JQ | 0.61 | 0.61 | 6.1 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 78-93-3 | 2-Butanone | 15.2 | J | 3.8 | 9.2 | 30.7 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 67-66-3 | Chloroform | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 71-43-2 | Benzene | 0.61 | U | 0.47 | 0.61 | 6.1 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.61 | U | 0.32 | 0.61 | 6.1 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 3.1 | U | 3.1 | 3.1 | 30.7 | ug/Kg |
| 108-88-3 | Toluene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048073.D | 1 | | 12/11/15 17:45 | VD121115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.2 | U | 1.1 | 1.2 | 6.1 | ug/Kg |
| 591-78-6 | 2-Hexanone | 3.1 | U | 3.1 | 3.1 | 30.7 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.2 | U | 0.88 | 1.2 | 12.3 | ug/Kg |
| 95-47-6 | o-Xylene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 100-42-5 | Styrene | 0.61 | U | 0.55 | 0.61 | 6.1 | ug/Kg |
| 75-25-2 | Bromoform | 1.8 | U | 0.91 | 1.8 | 6.1 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.61 | U | 0.59 | 0.61 | 6.1 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.61 | U | 0.57 | 0.61 | 6.1 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.61 | U | 0.44 | 0.61 | 6.1 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.61 | U | 0.55 | 0.61 | 6.1 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.61 | U | 0.36 | 0.61 | 6.1 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.61 | U | 0.45 | 0.61 | 6.1 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.61 | U | 0.5 | 0.61 | 6.1 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.61 | U | 0.57 | 0.61 | 6.1 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 6.1 | U | 1.1 | 6.1 | 6.1 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.61 | U | 0.61 | 0.61 | 6.1 | ug/Kg |
| 91-20-3 | Naphthalene | 0.61 | U | 0.55 | 0.61 | 6.1 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.2 | U | 0.61 | 1.2 | 6.1 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 120 | U | 120 | 120 | 120 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 36.6 | | 56 - 120 | | 73% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 43.8 | | 57 - 135 | | 88% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 39.4 | | 67 - 123 | | 79% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 29.5 | | 33 - 141 | | 59% | SPK: 50 |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07RE | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 5 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048073.D | 1 | | 12/11/15 17:45 | VD121115 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 260846 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 395137 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 356412 | 11.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 130581 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 15.3 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048059.D | 1 | | 12/10/15 23:17 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 74-87-3 | Chloromethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 75-01-4 | Vinyl Chloride | 2.1 | J | 0.59 | 0.59 | 5.9 | ug/Kg |
| 74-83-9 | Bromomethane | 1.2 | U | 1.2 | 1.2 | 5.9 | ug/Kg |
| 75-00-3 | Chloroethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 75-69-4 | Trichlorofluoromethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 75-35-4 | 1,1-Dichloroethene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 67-64-1 | Acetone | 12.3 | J | 2.9 | 2.9 | 29.5 | ug/Kg |
| 75-15-0 | Carbon Disulfide | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 1634-04-4 | Methyl tert-butyl Ether | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 79-20-9 | Methyl Acetate | 1.2 | U | 1.2 | 1.2 | 5.9 | ug/Kg |
| 75-09-2 | Methylene Chloride | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 156-60-5 | trans-1,2-Dichloroethene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 75-34-3 | 1,1-Dichloroethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 110-82-7 | Cyclohexane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 78-93-3 | 2-Butanone | 8.8 | U | 3.7 | 8.8 | 29.5 | ug/Kg |
| 56-23-5 | Carbon Tetrachloride | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 156-59-2 | cis-1,2-Dichloroethene | 10.4 | | 0.59 | 0.59 | 5.9 | ug/Kg |
| 74-97-5 | Bromochloromethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 67-66-3 | Chloroform | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 71-55-6 | 1,1,1-Trichloroethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 108-87-2 | Methylcyclohexane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 71-43-2 | Benzene | 0.59 | U | 0.45 | 0.59 | 5.9 | ug/Kg |
| 107-06-2 | 1,2-Dichloroethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 79-01-6 | Trichloroethene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 78-87-5 | 1,2-Dichloropropane | 0.59 | U | 0.31 | 0.59 | 5.9 | ug/Kg |
| 75-27-4 | Bromodichloromethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.9 | U | 2.9 | 2.9 | 29.5 | ug/Kg |
| 108-88-3 | Toluene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 10061-02-6 | t-1,3-Dichloropropene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 15.3 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048059.D | 1 | | 12/10/15 23:17 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 1.2 | U | 1.1 | 1.2 | 5.9 | ug/Kg |
| 591-78-6 | 2-Hexanone | 2.9 | U | 2.9 | 2.9 | 29.5 | ug/Kg |
| 124-48-1 | Dibromochloromethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 106-93-4 | 1,2-Dibromoethane | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 127-18-4 | Tetrachloroethene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 108-90-7 | Chlorobenzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 100-41-4 | Ethyl Benzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 179601-23-1 | m/p-Xylenes | 1.2 | U | 0.85 | 1.2 | 11.8 | ug/Kg |
| 95-47-6 | o-Xylene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 100-42-5 | Styrene | 0.59 | U | 0.53 | 0.59 | 5.9 | ug/Kg |
| 75-25-2 | Bromoform | 1.8 | U | 0.87 | 1.8 | 5.9 | ug/Kg |
| 98-82-8 | Isopropylbenzene | 0.59 | U | 0.57 | 0.59 | 5.9 | ug/Kg |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.59 | U | 0.54 | 0.59 | 5.9 | ug/Kg |
| 103-65-1 | n-propylbenzene | 0.59 | U | 0.42 | 0.59 | 5.9 | ug/Kg |
| 108-67-8 | 1,3,5-Trimethylbenzene | 0.59 | U | 0.53 | 0.59 | 5.9 | ug/Kg |
| 98-06-6 | tert-Butylbenzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 135-98-8 | sec-Butylbenzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 99-87-6 | p-Isopropyltoluene | 0.59 | U | 0.34 | 0.59 | 5.9 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 0.59 | U | 0.44 | 0.59 | 5.9 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 0.59 | U | 0.48 | 0.59 | 5.9 | ug/Kg |
| 104-51-8 | n-Butylbenzene | 0.59 | U | 0.54 | 0.59 | 5.9 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 5.9 | U | 1 | 5.9 | 5.9 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.59 | U | 0.59 | 0.59 | 5.9 | ug/Kg |
| 91-20-3 | Naphthalene | 0.59 | U | 0.53 | 0.59 | 5.9 | ug/Kg |
| 87-61-6 | 1,2,3-Trichlorobenzene | 1.2 | U | 0.59 | 1.2 | 5.9 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 120 | U | 120 | 120 | 120 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 35.4 | | 56 - 120 | | 71% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 37.3 | | 57 - 135 | | 75% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 39.9 | | 67 - 123 | | 80% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 35.3 | | 33 - 141 | | 71% | SPK: 50 |

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8260 | % Moisture: | 15.3 |
| Sample Wt/Vol: | 5.01 Units: g | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RTX-VMS ID : 0.18 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VD048059.D | 1 | | 12/10/15 23:17 | VD121015 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 334565 | 6.31 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 557787 | 7.43 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 542534 | 11.58 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 248140 | 13.92 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4725 | **OrderDate:** | 12/9/2015 12:56:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | K53 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4725-01** | **SB1(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/10/15 | |
| **G4725-02** | **SB2(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/10/15 | |
| **G4725-02RE** | **SB2(2-4)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/11/15 | |
| **G4725-03** | **SB3(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/10/15 | |
| **G4725-03RE** | **SB3(2-4)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/14/15 | |
| **G4725-04** | **SB4(12-14)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/10/15 | |
| **G4725-05** | **SB5A(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/14/15 | |
| **G4725-06** | **SB6(4-8)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/10/15 | |
| **G4725-06ME** | **SB6(4-8)ME** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/14/15 | |
| **G4725-07** | **SB7(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/10/15 | |
| **G4725-07RE** | **SB7(2-4)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | VOCMS Group1 | 8260C | | | 12/11/15 | |
| **G4725-08** | **SB8(18-20)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |

## LAB CHRONICLE

| | | |
|---|---|---|
| VOCMS Group1 | 8260C | 12/10/15 |

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# Hit Summary Sheet
## SW-846

**SDG No.:** G4725

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : SB1(9-10)** | | | | | | | | | |
| G4725-01 | SB1(9-10) | SOIL | Phenol | 120.000 | J | 11.1 | 48.3 | 480 | ug/Kg |
| G4725-01 | SB1(9-10) | SOIL | Dimethylphthalate | 610.000 | | 13 | 48.3 | 480 | ug/Kg |
| | | | **Total Svoc :** | **730.00** | | | | | |
| | | | **Total Concentration:** | **730.00** | | | | | |
| **Client ID : SB2(2-4)** | | | | | | | | | |
| G4725-02 | SB2(2-4) | SOIL | Phenol | 87.400 | J | 8.6 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | 2-Methylnaphthalene | 80.000 | J | 9.3 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Dimethylphthalate | 410.000 | | 10 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Phenanthrene | 340.000 | J | 10 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Anthracene | 81.500 | J | 7.6 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Fluoranthene | 430.000 | | 7.4 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Pyrene | 310.000 | J | 8.9 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Benzo(a)anthracene | 190.000 | J | 17.7 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Chrysene | 170.000 | J | 16.8 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Benzo(b)fluoranthene | 200.000 | J | 12.1 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Benzo(a)pyrene | 160.000 | J | 8 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Indeno(1,2,3-cd)pyrene | 95.900 | J | 12.3 | 37 | 370 | ug/Kg |
| G4725-02 | SB2(2-4) | SOIL | Benzo(g,h,i)perylene | 100.000 | J | 15 | 37 | 370 | ug/Kg |
| | | | **Total Svoc :** | **2,654.80** | | | | | |
| | | | **Total Concentration:** | **2,654.80** | | | | | |
| **Client ID : SB3(2-4)** | | | | | | | | | |
| G4725-03 | SB3(2-4) | SOIL | Phenol | 97.900 | J | 9.6 | 41.7 | 410 | ug/Kg |
| G4725-03 | SB3(2-4) | SOIL | Naphthalene | 99.600 | J | 14.4 | 41.7 | 410 | ug/Kg |
| G4725-03 | SB3(2-4) | SOIL | 2-Methylnaphthalene | 160.000 | J | 10.5 | 41.7 | 410 | ug/Kg |
| G4725-03 | SB3(2-4) | SOIL | Dimethylphthalate | 640.000 | | 11.2 | 41.7 | 410 | ug/Kg |
| G4725-03 | SB3(2-4) | SOIL | Phenanthrene | 130.000 | J | 11.2 | 41.7 | 410 | ug/Kg |
| | | | **Total Svoc :** | **1,127.50** | | | | | |
| | | | **Total Concentration:** | **1,127.50** | | | | | |
| **Client ID : SB4(12-14)** | | | | | | | | | |
| G4725-04 | SB4(12-14) | SOIL | Dimethylphthalate | 500.000 | | 13 | 48.3 | 480 | ug/Kg |
| | | | **Total Svoc :** | **500.00** | | | | | |
| | | | **Total Concentration:** | **500.00** | | | | | |
| **Client ID : SB5A(9-10)** | | | | | | | | | |
| G4725-05 | SB5A(9-10) | SOIL | Naphthalene | 600.000 | | 15.7 | 45.5 | 450 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | 2-Methylnaphthalene | 210.000 | J | 11.5 | 45.5 | 450 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Dimethylphthalate | 630.000 | | 12.3 | 45.5 | 450 | ug/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Phenanthrene | 120.000 | J | 12.3 | 45.5 | 450 | ug/Kg |
| | | | **Total Svoc :** | **1,560.00** | | | | | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4725

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Total Concentration:** | **1,560.00** | | | | | |
| **Client ID : SB6(4-8)** | | | | | | | | | |
| G4725-06 | SB6(4-8) | SOIL | Dimethylphthalate | 500.000 | | 11.8 | 43.6 | 430 | ug/Kg |
| | | | **Total Svoc :** | **500.00** | | | | | |
| | | | **Total Concentration:** | **500.00** | | | | | |
| **Client ID : SB7(2-4)** | | | | | | | | | |
| G4725-07 | SB7(2-4) | SOIL | Dimethylphthalate | 460.000 | | 11 | 40.9 | 400 | ug/Kg |
| G4725-07 | SB7(2-4) | SOIL | Phenanthrene | 110.000 | J | 11 | 40.9 | 400 | ug/Kg |
| | | | **Total Svoc :** | **570.00** | | | | | |
| | | | **Total Concentration:** | **570.00** | | | | | |
| **Client ID : SB8(18-20)** | | | | | | | | | |
| G4725-08 | SB8(18-20) | SOIL | Dimethylphthalate | 420.000 | | 10.6 | 39.3 | 390 | ug/Kg |
| | | | **Total Svoc :** | **420.00** | | | | | |
| | | | **Total Concentration:** | **420.00** | | | | | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 31.1 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003472.D | 1 | 12/09/15 08:58 | 12/11/15 02:59 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 48.3 | U | 25.2 | 48.3 | 480 | ug/Kg |
| 108-95-2 | Phenol | 120 | J | 11.1 | 48.3 | 480 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 48.3 | U | 23.2 | 48.3 | 480 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 48.3 | U | 25.5 | 48.3 | 480 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 48.3 | U | 26.2 | 48.3 | 480 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 48.3 | U | 20 | 48.3 | 480 | ug/Kg |
| 98-86-2 | Acetophenone | 48.3 | U | 14.8 | 48.3 | 480 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 48.3 | U | 25.1 | 48.3 | 480 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 48.3 | U | 24.3 | 48.3 | 480 | ug/Kg |
| 67-72-1 | Hexachloroethane | 48.3 | U | 21.6 | 48.3 | 480 | ug/Kg |
| 98-95-3 | Nitrobenzene | 48.3 | U | 18.2 | 48.3 | 480 | ug/Kg |
| 78-59-1 | Isophorone | 48.3 | U | 15.9 | 48.3 | 480 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 48.3 | U | 23.3 | 48.3 | 480 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 48.3 | U | 27.4 | 48.3 | 480 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 48.3 | U | 27.8 | 48.3 | 480 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 48.3 | U | 18.4 | 48.3 | 480 | ug/Kg |
| 91-20-3 | Naphthalene | 48.3 | U | 16.7 | 48.3 | 480 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 48.3 | U | 34 | 48.3 | 480 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 48.3 | U | 17.5 | 48.3 | 480 | ug/Kg |
| 105-60-2 | Caprolactam | 96.5 | U | 22.4 | 96.5 | 480 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 48.3 | U | 21.4 | 48.3 | 480 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 48.3 | U | 12.2 | 48.3 | 480 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 48.3 | U | 11.7 | 48.3 | 480 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 48.3 | U | 14.8 | 48.3 | 480 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 48.3 | U | 33.9 | 48.3 | 480 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 48.3 | U | 18.2 | 48.3 | 480 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 48.3 | U | 11 | 48.3 | 480 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 48.3 | U | 21.4 | 48.3 | 480 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 610 | | 13 | 48.3 | 480 | ug/Kg |
| 208-96-8 | Acenaphthylene | 48.3 | U | 12.2 | 48.3 | 480 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 48.3 | U | 19.7 | 48.3 | 480 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 31.1 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003472.D | 1 | 12/09/15 08:58 | 12/11/15 02:59 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 96.5 | U | 31 | 96.5 | 480 | ug/Kg |
| 83-32-9 | Acenaphthene | 48.3 | U | 13.6 | 48.3 | 480 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 390 | U | 49.1 | 390 | 480 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 240 | U | 89.6 | 240 | 480 | ug/Kg |
| 132-64-9 | Dibenzofuran | 48.3 | U | 18.8 | 48.3 | 480 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 48.3 | U | 14.5 | 48.3 | 480 | ug/Kg |
| 84-66-2 | Diethylphthalate | 48.3 | U | 7.5 | 48.3 | 480 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 48.3 | U | 26.2 | 48.3 | 480 | ug/Kg |
| 86-73-7 | Fluorene | 48.3 | U | 18.2 | 48.3 | 480 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 96.5 | U | 62.8 | 96.5 | 480 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 240 | U | 27.7 | 240 | 480 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 48.3 | U | 11.6 | 48.3 | 480 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 48.3 | U | 9.4 | 48.3 | 480 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 48.3 | U | 19.7 | 48.3 | 480 | ug/Kg |
| 1912-24-9 | Atrazine | 48.3 | U | 25.5 | 48.3 | 480 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 48.3 | U | 33 | 48.3 | 480 | ug/Kg |
| 85-01-8 | Phenanthrene | 48.3 | U | 13 | 48.3 | 480 | ug/Kg |
| 120-12-7 | Anthracene | 48.3 | U | 9.8 | 48.3 | 480 | ug/Kg |
| 86-74-8 | Carbazole | 48.3 | U | 10.6 | 48.3 | 480 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 48.3 | U | 37.9 | 48.3 | 480 | ug/Kg |
| 206-44-0 | Fluoranthene | 48.3 | U | 9.7 | 48.3 | 480 | ug/Kg |
| 129-00-0 | Pyrene | 48.3 | U | 11.6 | 48.3 | 480 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 48.3 | U | 23.2 | 48.3 | 480 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 48.3 | U | 31 | 48.3 | 480 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 48.3 | U | 23 | 48.3 | 480 | ug/Kg |
| 218-01-9 | Chrysene | 48.3 | U | 21.9 | 48.3 | 480 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 48.3 | U | 17.1 | 48.3 | 480 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 48.3 | U | 5.5 | 48.3 | 480 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 48.3 | U | 15.8 | 48.3 | 480 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 48.3 | U | 22.7 | 48.3 | 480 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 48.3 | U | 10.4 | 48.3 | 480 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 48.3 | U | 16.1 | 48.3 | 480 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 48.3 | U | 13.9 | 48.3 | 480 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 31.1 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003472.D | 1 | 12/09/15 08:58 | 12/11/15 02:59 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 48.3 | U | 19.5 | 48.3 | 480 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 48.3 | U | 19 | 48.3 | 480 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 48.3 | U | 19 | 48.3 | 480 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 160 | | 28 - 127 | | 104% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 150 | | 34 - 127 | | 102% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 91.4 | | 31 - 132 | | 91% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 68.8 | | 39 - 123 | | 69% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 140 | | 30 - 133 | | 91% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 73.4 | | 37 - 115 | | 73% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 73280 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 329877 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 195628 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 404829 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 349111 | 21.31 | | | | |
| 1520-96-3 | Perylene-d12 | 327850 | 23.56 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003473.D | 1 | 12/09/15 08:58 | 12/11/15 03:35 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 37 | U | 19.3 | 37 | 370 | ug/Kg |
| 108-95-2 | Phenol | 87.4 | J | 8.6 | 37 | 370 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 37 | U | 17.8 | 37 | 370 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 37 | U | 19.6 | 37 | 370 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 37 | U | 20.1 | 37 | 370 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 37 | U | 15.3 | 37 | 370 | ug/Kg |
| 98-86-2 | Acetophenone | 37 | U | 11.3 | 37 | 370 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 37 | U | 19.2 | 37 | 370 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 37 | U | 18.7 | 37 | 370 | ug/Kg |
| 67-72-1 | Hexachloroethane | 37 | U | 16.6 | 37 | 370 | ug/Kg |
| 98-95-3 | Nitrobenzene | 37 | U | 14 | 37 | 370 | ug/Kg |
| 78-59-1 | Isophorone | 37 | U | 12.2 | 37 | 370 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 37 | U | 17.9 | 37 | 370 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 37 | U | 21 | 37 | 370 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 37 | U | 21.3 | 37 | 370 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 37 | U | 14.1 | 37 | 370 | ug/Kg |
| 91-20-3 | Naphthalene | 37 | U | 12.8 | 37 | 370 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 37 | U | 26.1 | 37 | 370 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 37 | U | 13.4 | 37 | 370 | ug/Kg |
| 105-60-2 | Caprolactam | 74.1 | U | 17.2 | 74.1 | 370 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 37 | U | 16.4 | 37 | 370 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 80 | J | 9.3 | 37 | 370 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 37 | U | 9 | 37 | 370 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 37 | U | 11.3 | 37 | 370 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 37 | U | 26 | 37 | 370 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 37 | U | 14 | 37 | 370 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 37 | U | 8.4 | 37 | 370 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 37 | U | 16.4 | 37 | 370 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 410 | | 10 | 37 | 370 | ug/Kg |
| 208-96-8 | Acenaphthylene | 37 | U | 9.3 | 37 | 370 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 37 | U | 15.1 | 37 | 370 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003473.D | 1 | 12/09/15 08:58 | 12/11/15 03:35 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 74.1 | U | 23.8 | 74.1 | 370 | ug/Kg |
| 83-32-9 | Acenaphthene | 37 | U | 10.4 | 37 | 370 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 300 | U | 37.7 | 300 | 370 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 190 | U | 68.8 | 190 | 370 | ug/Kg |
| 132-64-9 | Dibenzofuran | 37 | U | 14.4 | 37 | 370 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 37 | U | 11.1 | 37 | 370 | ug/Kg |
| 84-66-2 | Diethylphthalate | 37 | U | 5.8 | 37 | 370 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 37 | U | 20.1 | 37 | 370 | ug/Kg |
| 86-73-7 | Fluorene | 37 | U | 14 | 37 | 370 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 74.1 | U | 48.2 | 74.1 | 370 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 190 | U | 21.2 | 190 | 370 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 37 | U | 8.9 | 37 | 370 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 37 | U | 7.2 | 37 | 370 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 37 | U | 15.1 | 37 | 370 | ug/Kg |
| 1912-24-9 | Atrazine | 37 | U | 19.6 | 37 | 370 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 37 | U | 25.3 | 37 | 370 | ug/Kg |
| 85-01-8 | Phenanthrene | 340 | J | 10 | 37 | 370 | ug/Kg |
| 120-12-7 | Anthracene | 81.5 | J | 7.6 | 37 | 370 | ug/Kg |
| 86-74-8 | Carbazole | 37 | U | 8.1 | 37 | 370 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 37 | U | 29.1 | 37 | 370 | ug/Kg |
| 206-44-0 | Fluoranthene | 430 | | 7.4 | 37 | 370 | ug/Kg |
| 129-00-0 | Pyrene | 310 | J | 8.9 | 37 | 370 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 37 | U | 17.8 | 37 | 370 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 37 | U | 23.8 | 37 | 370 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 190 | J | 17.7 | 37 | 370 | ug/Kg |
| 218-01-9 | Chrysene | 170 | J | 16.8 | 37 | 370 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 37 | U | 13.1 | 37 | 370 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 37 | U | 4.2 | 37 | 370 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 200 | J | 12.1 | 37 | 370 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 37 | U | 17.4 | 37 | 370 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 160 | J | 8 | 37 | 370 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 95.9 | J | 12.3 | 37 | 370 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 37 | U | 10.7 | 37 | 370 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 10.2 |
| Sample Wt/Vol: | 30.06 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003473.D | 1 | 12/09/15 08:58 | 12/11/15 03:35 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 100 | J | 15 | 37 | 370 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 37 | U | 14.6 | 37 | 370 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 37 | U | 14.6 | 37 | 370 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 160 | | 28 - 127 | | 109% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 160 | | 34 - 127 | | 103% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 110 | | 31 - 132 | | 106% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 94.1 | | 39 - 123 | | 94% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 150 | | 30 - 133 | | 98% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 81.6 | | 37 - 115 | | 82% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 75142 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 316486 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 160699 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 318908 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 317843 | 21.31 | | | | |
| 1520-96-3 | Perylene-d12 | 321365 | 23.56 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003474.D | 1 | 12/09/15 08:58 | 12/11/15 04:10 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 41.7 | U | 21.7 | 41.7 | 410 | ug/Kg |
| 108-95-2 | Phenol | 97.9 | J | 9.6 | 41.7 | 410 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 41.7 | U | 20 | 41.7 | 410 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 41.7 | U | 22 | 41.7 | 410 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 41.7 | U | 22.6 | 41.7 | 410 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 41.7 | U | 17.2 | 41.7 | 410 | ug/Kg |
| 98-86-2 | Acetophenone | 41.7 | U | 12.7 | 41.7 | 410 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 41.7 | U | 21.6 | 41.7 | 410 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 41.7 | U | 21 | 41.7 | 410 | ug/Kg |
| 67-72-1 | Hexachloroethane | 41.7 | U | 18.6 | 41.7 | 410 | ug/Kg |
| 98-95-3 | Nitrobenzene | 41.7 | U | 15.7 | 41.7 | 410 | ug/Kg |
| 78-59-1 | Isophorone | 41.7 | U | 13.7 | 41.7 | 410 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 41.7 | U | 20.1 | 41.7 | 410 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 41.7 | U | 23.6 | 41.7 | 410 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 41.7 | U | 24 | 41.7 | 410 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 41.7 | U | 15.9 | 41.7 | 410 | ug/Kg |
| 91-20-3 | Naphthalene | 99.6 | J | 14.4 | 41.7 | 410 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 41.7 | U | 29.4 | 41.7 | 410 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 41.7 | U | 15.1 | 41.7 | 410 | ug/Kg |
| 105-60-2 | Caprolactam | 83.3 | U | 19.4 | 83.3 | 410 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 41.7 | U | 18.5 | 41.7 | 410 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 160 | J | 10.5 | 41.7 | 410 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 41.7 | U | 10.1 | 41.7 | 410 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 41.7 | U | 12.7 | 41.7 | 410 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 41.7 | U | 29.2 | 41.7 | 410 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 41.7 | U | 15.7 | 41.7 | 410 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 41.7 | U | 9.5 | 41.7 | 410 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 41.7 | U | 18.5 | 41.7 | 410 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 640 | | 11.2 | 41.7 | 410 | ug/Kg |
| 208-96-8 | Acenaphthylene | 41.7 | U | 10.5 | 41.7 | 410 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 41.7 | U | 17 | 41.7 | 410 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003474.D | 1 | 12/09/15 08:58 | 12/11/15 04:10 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 83.3 | U | 26.7 | 83.3 | 410 | ug/Kg |
| 83-32-9 | Acenaphthene | 41.7 | U | 11.7 | 41.7 | 410 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 330 | U | 42.4 | 330 | 410 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 210 | U | 77.4 | 210 | 410 | ug/Kg |
| 132-64-9 | Dibenzofuran | 41.7 | U | 16.2 | 41.7 | 410 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 41.7 | U | 12.5 | 41.7 | 410 | ug/Kg |
| 84-66-2 | Diethylphthalate | 41.7 | U | 6.5 | 41.7 | 410 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 41.7 | U | 22.6 | 41.7 | 410 | ug/Kg |
| 86-73-7 | Fluorene | 41.7 | U | 15.7 | 41.7 | 410 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 83.3 | U | 54.2 | 83.3 | 410 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 210 | U | 23.9 | 210 | 410 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 41.7 | U | 10 | 41.7 | 410 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 41.7 | U | 8.1 | 41.7 | 410 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 41.7 | U | 17 | 41.7 | 410 | ug/Kg |
| 1912-24-9 | Atrazine | 41.7 | U | 22 | 41.7 | 410 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 41.7 | U | 28.5 | 41.7 | 410 | ug/Kg |
| 85-01-8 | Phenanthrene | 130 | J | 11.2 | 41.7 | 410 | ug/Kg |
| 120-12-7 | Anthracene | 41.7 | U | 8.5 | 41.7 | 410 | ug/Kg |
| 86-74-8 | Carbazole | 41.7 | U | 9.1 | 41.7 | 410 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 41.7 | U | 32.7 | 41.7 | 410 | ug/Kg |
| 206-44-0 | Fluoranthene | 41.7 | U | 8.4 | 41.7 | 410 | ug/Kg |
| 129-00-0 | Pyrene | 41.7 | U | 10 | 41.7 | 410 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 41.7 | U | 20 | 41.7 | 410 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 41.7 | U | 26.7 | 41.7 | 410 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 41.7 | U | 19.9 | 41.7 | 410 | ug/Kg |
| 218-01-9 | Chrysene | 41.7 | U | 18.9 | 41.7 | 410 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 41.7 | U | 14.7 | 41.7 | 410 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 41.7 | U | 4.7 | 41.7 | 410 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 41.7 | U | 13.6 | 41.7 | 410 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 41.7 | U | 19.6 | 41.7 | 410 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 41.7 | U | 9 | 41.7 | 410 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 41.7 | U | 13.9 | 41.7 | 410 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 41.7 | U | 12 | 41.7 | 410 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 20.2 |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003474.D | 1 | 12/09/15 08:58 | 12/11/15 04:10 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 41.7 | U | 16.9 | 41.7 | 410 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 41.7 | U | 16.4 | 41.7 | 410 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 41.7 | U | 16.4 | 41.7 | 410 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 140 | | 28 - 127 | | 93% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 140 | | 34 - 127 | | 93% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 100 | | 31 - 132 | | 103% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 81.2 | | 39 - 123 | | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 100 | | 30 - 133 | | 68% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 61.2 | | 37 - 115 | | 61% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 76216 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 328476 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 172193 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 335589 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 326237 | 21.31 | | | | |
| 1520-96-3 | Perylene-d12 | 325661 | 23.56 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 31 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003475.D | 1 | 12/09/15 08:58 | 12/11/15 04:46 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 48.3 | U | 25.2 | 48.3 | 480 | ug/Kg |
| 108-95-2 | Phenol | 48.3 | U | 11.1 | 48.3 | 480 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 48.3 | U | 23.2 | 48.3 | 480 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 48.3 | U | 25.5 | 48.3 | 480 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 48.3 | U | 26.2 | 48.3 | 480 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 48.3 | U | 20 | 48.3 | 480 | ug/Kg |
| 98-86-2 | Acetophenone | 48.3 | U | 14.8 | 48.3 | 480 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 48.3 | U | 25 | 48.3 | 480 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 48.3 | U | 24.3 | 48.3 | 480 | ug/Kg |
| 67-72-1 | Hexachloroethane | 48.3 | U | 21.6 | 48.3 | 480 | ug/Kg |
| 98-95-3 | Nitrobenzene | 48.3 | U | 18.2 | 48.3 | 480 | ug/Kg |
| 78-59-1 | Isophorone | 48.3 | U | 15.9 | 48.3 | 480 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 48.3 | U | 23.3 | 48.3 | 480 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 48.3 | U | 27.4 | 48.3 | 480 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 48.3 | U | 27.8 | 48.3 | 480 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 48.3 | U | 18.4 | 48.3 | 480 | ug/Kg |
| 91-20-3 | Naphthalene | 48.3 | U | 16.7 | 48.3 | 480 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 48.3 | U | 34 | 48.3 | 480 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 48.3 | U | 17.5 | 48.3 | 480 | ug/Kg |
| 105-60-2 | Caprolactam | 96.5 | U | 22.4 | 96.5 | 480 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 48.3 | U | 21.4 | 48.3 | 480 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 48.3 | U | 12.2 | 48.3 | 480 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 48.3 | U | 11.7 | 48.3 | 480 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 48.3 | U | 14.8 | 48.3 | 480 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 48.3 | U | 33.9 | 48.3 | 480 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 48.3 | U | 18.2 | 48.3 | 480 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 48.3 | U | 11 | 48.3 | 480 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 48.3 | U | 21.4 | 48.3 | 480 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 500 | | 13 | 48.3 | 480 | ug/Kg |
| 208-96-8 | Acenaphthylene | 48.3 | U | 12.2 | 48.3 | 480 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 48.3 | U | 19.7 | 48.3 | 480 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 31 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003475.D | 1 | 12/09/15 08:58 | 12/11/15 04:46 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 96.5 | U | 31 | 96.5 | 480 | ug/Kg |
| 83-32-9 | Acenaphthene | 48.3 | U | 13.6 | 48.3 | 480 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 390 | U | 49.1 | 390 | 480 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 240 | U | 89.6 | 240 | 480 | ug/Kg |
| 132-64-9 | Dibenzofuran | 48.3 | U | 18.8 | 48.3 | 480 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 48.3 | U | 14.5 | 48.3 | 480 | ug/Kg |
| 84-66-2 | Diethylphthalate | 48.3 | U | 7.5 | 48.3 | 480 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 48.3 | U | 26.2 | 48.3 | 480 | ug/Kg |
| 86-73-7 | Fluorene | 48.3 | U | 18.2 | 48.3 | 480 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 96.5 | U | 62.8 | 96.5 | 480 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 240 | U | 27.7 | 240 | 480 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 48.3 | U | 11.6 | 48.3 | 480 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 48.3 | U | 9.4 | 48.3 | 480 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 48.3 | U | 19.7 | 48.3 | 480 | ug/Kg |
| 1912-24-9 | Atrazine | 48.3 | U | 25.5 | 48.3 | 480 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 48.3 | U | 33 | 48.3 | 480 | ug/Kg |
| 85-01-8 | Phenanthrene | 48.3 | U | 13 | 48.3 | 480 | ug/Kg |
| 120-12-7 | Anthracene | 48.3 | U | 9.8 | 48.3 | 480 | ug/Kg |
| 86-74-8 | Carbazole | 48.3 | U | 10.6 | 48.3 | 480 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 48.3 | U | 37.9 | 48.3 | 480 | ug/Kg |
| 206-44-0 | Fluoranthene | 48.3 | U | 9.7 | 48.3 | 480 | ug/Kg |
| 129-00-0 | Pyrene | 48.3 | U | 11.6 | 48.3 | 480 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 48.3 | U | 23.2 | 48.3 | 480 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 48.3 | U | 31 | 48.3 | 480 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 48.3 | U | 23 | 48.3 | 480 | ug/Kg |
| 218-01-9 | Chrysene | 48.3 | U | 21.9 | 48.3 | 480 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 48.3 | U | 17.1 | 48.3 | 480 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 48.3 | U | 5.5 | 48.3 | 480 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 48.3 | U | 15.8 | 48.3 | 480 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 48.3 | U | 22.7 | 48.3 | 480 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 48.3 | U | 10.4 | 48.3 | 480 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 48.3 | U | 16.1 | 48.3 | 480 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 48.3 | U | 13.9 | 48.3 | 480 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 31 |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003475.D | 1 | 12/09/15 08:58 | 12/11/15 04:46 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 48.3 | U | 19.5 | 48.3 | 480 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 48.3 | U | 19 | 48.3 | 480 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 48.3 | U | 19 | 48.3 | 480 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 120 | | 28 - 127 | | 77% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 110 | | 34 - 127 | | 73% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 74.2 | | 31 - 132 | | 74% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 56.6 | | 39 - 123 | | 57% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 110 | | 30 - 133 | | 71% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 49.5 | | 37 - 115 | | 50% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 73470 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 306048 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 160619 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 338110 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 353658 | 21.31 | | | | |
| 1520-96-3 | Perylene-d12 | 350757 | 23.56 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 27 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003476.D | 1 | 12/09/15 08:58 | 12/11/15 05:22 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 45.5 | U | 23.8 | 45.5 | 450 | ug/Kg |
| 108-95-2 | Phenol | 45.5 | U | 10.5 | 45.5 | 450 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 45.5 | U | 21.9 | 45.5 | 450 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 45.5 | U | 24 | 45.5 | 450 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 45.5 | U | 24.7 | 45.5 | 450 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 45.5 | U | 18.8 | 45.5 | 450 | ug/Kg |
| 98-86-2 | Acetophenone | 45.5 | U | 13.9 | 45.5 | 450 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 45.5 | U | 23.6 | 45.5 | 450 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 45.5 | U | 22.9 | 45.5 | 450 | ug/Kg |
| 67-72-1 | Hexachloroethane | 45.5 | U | 20.3 | 45.5 | 450 | ug/Kg |
| 98-95-3 | Nitrobenzene | 45.5 | U | 17.2 | 45.5 | 450 | ug/Kg |
| 78-59-1 | Isophorone | 45.5 | U | 15 | 45.5 | 450 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 45.5 | U | 22 | 45.5 | 450 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 45.5 | U | 25.8 | 45.5 | 450 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 45.5 | U | 26.2 | 45.5 | 450 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 45.5 | U | 17.3 | 45.5 | 450 | ug/Kg |
| 91-20-3 | Naphthalene | 600 | | 15.7 | 45.5 | 450 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 45.5 | U | 32.1 | 45.5 | 450 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 45.5 | U | 16.5 | 45.5 | 450 | ug/Kg |
| 105-60-2 | Caprolactam | 91.1 | U | 21.2 | 91.1 | 450 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 45.5 | U | 20.2 | 45.5 | 450 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 210 | J | 11.5 | 45.5 | 450 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 45.5 | U | 11.1 | 45.5 | 450 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 45.5 | U | 13.9 | 45.5 | 450 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 45.5 | U | 32 | 45.5 | 450 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 45.5 | U | 17.2 | 45.5 | 450 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 45.5 | U | 10.4 | 45.5 | 450 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 45.5 | U | 20.2 | 45.5 | 450 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 630 | | 12.3 | 45.5 | 450 | ug/Kg |
| 208-96-8 | Acenaphthylene | 45.5 | U | 11.5 | 45.5 | 450 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 45.5 | U | 18.6 | 45.5 | 450 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 27 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003476.D | 1 | 12/09/15 08:58 | 12/11/15 05:22 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 91.1 | U | 29.2 | 91.1 | 450 | ug/Kg |
| 83-32-9 | Acenaphthene | 45.5 | U | 12.8 | 45.5 | 450 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 360 | U | 46.3 | 360 | 450 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 230 | U | 84.5 | 230 | 450 | ug/Kg |
| 132-64-9 | Dibenzofuran | 45.5 | U | 17.8 | 45.5 | 450 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 45.5 | U | 13.7 | 45.5 | 450 | ug/Kg |
| 84-66-2 | Diethylphthalate | 45.5 | U | 7.1 | 45.5 | 450 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 45.5 | U | 24.7 | 45.5 | 450 | ug/Kg |
| 86-73-7 | Fluorene | 45.5 | U | 17.2 | 45.5 | 450 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 91.1 | U | 59.3 | 91.1 | 450 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 230 | U | 26.1 | 230 | 450 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 45.5 | U | 10.9 | 45.5 | 450 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 45.5 | U | 8.9 | 45.5 | 450 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 45.5 | U | 18.6 | 45.5 | 450 | ug/Kg |
| 1912-24-9 | Atrazine | 45.5 | U | 24 | 45.5 | 450 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 45.5 | U | 31.1 | 45.5 | 450 | ug/Kg |
| 85-01-8 | Phenanthrene | 120 | J | 12.3 | 45.5 | 450 | ug/Kg |
| 120-12-7 | Anthracene | 45.5 | U | 9.3 | 45.5 | 450 | ug/Kg |
| 86-74-8 | Carbazole | 45.5 | U | 10 | 45.5 | 450 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 45.5 | U | 35.8 | 45.5 | 450 | ug/Kg |
| 206-44-0 | Fluoranthene | 45.5 | U | 9.2 | 45.5 | 450 | ug/Kg |
| 129-00-0 | Pyrene | 45.5 | U | 10.9 | 45.5 | 450 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 45.5 | U | 21.9 | 45.5 | 450 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 45.5 | U | 29.2 | 45.5 | 450 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 45.5 | U | 21.7 | 45.5 | 450 | ug/Kg |
| 218-01-9 | Chrysene | 45.5 | U | 20.6 | 45.5 | 450 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 45.5 | U | 16.1 | 45.5 | 450 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 45.5 | U | 5.2 | 45.5 | 450 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 45.5 | U | 14.9 | 45.5 | 450 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 45.5 | U | 21.4 | 45.5 | 450 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 45.5 | U | 9.8 | 45.5 | 450 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 45.5 | U | 15.2 | 45.5 | 450 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 45.5 | U | 13.1 | 45.5 | 450 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 27 |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003476.D | 1 | 12/09/15 08:58 | 12/11/15 05:22 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 45.5 | U | 18.4 | 45.5 | 450 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 45.5 | U | 17.9 | 45.5 | 450 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 45.5 | U | 17.9 | 45.5 | 450 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 140 | | 28 - 127 | | 96% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 140 | | 34 - 127 | | 91% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 97.1 | | 31 - 132 | | 97% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 79.9 | | 39 - 123 | | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 150 | | 30 - 133 | | 99% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 71.8 | | 37 - 115 | | 72% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 79827 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 313349 | 10.52 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 174936 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 357478 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 368051 | 21.31 | | | | |
| 1520-96-3 | Perylene-d12 | 370891 | 23.56 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003477.D | 1 | 12/09/15 08:58 | 12/11/15 05:58 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 43.6 | U | 22.8 | 43.6 | 430 | ug/Kg |
| 108-95-2 | Phenol | 43.6 | U | 10.1 | 43.6 | 430 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 43.6 | U | 20.9 | 43.6 | 430 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 43.6 | U | 23 | 43.6 | 430 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 43.6 | U | 23.7 | 43.6 | 430 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 43.6 | U | 18.1 | 43.6 | 430 | ug/Kg |
| 98-86-2 | Acetophenone | 43.6 | U | 13.4 | 43.6 | 430 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 43.6 | U | 22.7 | 43.6 | 430 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 43.6 | U | 22 | 43.6 | 430 | ug/Kg |
| 67-72-1 | Hexachloroethane | 43.6 | U | 19.5 | 43.6 | 430 | ug/Kg |
| 98-95-3 | Nitrobenzene | 43.6 | U | 16.5 | 43.6 | 430 | ug/Kg |
| 78-59-1 | Isophorone | 43.6 | U | 14.4 | 43.6 | 430 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 43.6 | U | 21.1 | 43.6 | 430 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 43.6 | U | 24.7 | 43.6 | 430 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 43.6 | U | 25.1 | 43.6 | 430 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 43.6 | U | 16.6 | 43.6 | 430 | ug/Kg |
| 91-20-3 | Naphthalene | 43.6 | U | 15.1 | 43.6 | 430 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 43.6 | U | 30.8 | 43.6 | 430 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 43.6 | U | 15.8 | 43.6 | 430 | ug/Kg |
| 105-60-2 | Caprolactam | 87.3 | U | 20.3 | 87.3 | 430 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 43.6 | U | 19.4 | 43.6 | 430 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 43.6 | U | 11 | 43.6 | 430 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 43.6 | U | 10.6 | 43.6 | 430 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 43.6 | U | 13.4 | 43.6 | 430 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 43.6 | U | 30.6 | 43.6 | 430 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 43.6 | U | 16.5 | 43.6 | 430 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 43.6 | U | 10 | 43.6 | 430 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 43.6 | U | 19.4 | 43.6 | 430 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 500 | | 11.8 | 43.6 | 430 | ug/Kg |
| 208-96-8 | Acenaphthylene | 43.6 | U | 11 | 43.6 | 430 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 43.6 | U | 17.8 | 43.6 | 430 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003477.D | 1 | 12/09/15 08:58 | 12/11/15 05:58 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 87.3 | U | 28 | 87.3 | 430 | ug/Kg |
| 83-32-9 | Acenaphthene | 43.6 | U | 12.3 | 43.6 | 430 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 350 | U | 44.4 | 350 | 430 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 220 | U | 81 | 220 | 430 | ug/Kg |
| 132-64-9 | Dibenzofuran | 43.6 | U | 17 | 43.6 | 430 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 43.6 | U | 13.1 | 43.6 | 430 | ug/Kg |
| 84-66-2 | Diethylphthalate | 43.6 | U | 6.8 | 43.6 | 430 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 43.6 | U | 23.7 | 43.6 | 430 | ug/Kg |
| 86-73-7 | Fluorene | 43.6 | U | 16.5 | 43.6 | 430 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 87.3 | U | 56.8 | 87.3 | 430 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 220 | U | 25 | 220 | 430 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 43.6 | U | 10.5 | 43.6 | 430 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 43.6 | U | 8.5 | 43.6 | 430 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 43.6 | U | 17.8 | 43.6 | 430 | ug/Kg |
| 1912-24-9 | Atrazine | 43.6 | U | 23 | 43.6 | 430 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 43.6 | U | 29.9 | 43.6 | 430 | ug/Kg |
| 85-01-8 | Phenanthrene | 43.6 | U | 11.8 | 43.6 | 430 | ug/Kg |
| 120-12-7 | Anthracene | 43.6 | U | 8.9 | 43.6 | 430 | ug/Kg |
| 86-74-8 | Carbazole | 43.6 | U | 9.6 | 43.6 | 430 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 43.6 | U | 34.3 | 43.6 | 430 | ug/Kg |
| 206-44-0 | Fluoranthene | 43.6 | U | 8.8 | 43.6 | 430 | ug/Kg |
| 129-00-0 | Pyrene | 43.6 | U | 10.5 | 43.6 | 430 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 43.6 | U | 20.9 | 43.6 | 430 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 43.6 | U | 28 | 43.6 | 430 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 43.6 | U | 20.8 | 43.6 | 430 | ug/Kg |
| 218-01-9 | Chrysene | 43.6 | U | 19.8 | 43.6 | 430 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 43.6 | U | 15.4 | 43.6 | 430 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 43.6 | U | 5 | 43.6 | 430 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 43.6 | U | 14.3 | 43.6 | 430 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 43.6 | U | 20.6 | 43.6 | 430 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 43.6 | U | 9.4 | 43.6 | 430 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 43.6 | U | 14.5 | 43.6 | 430 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 43.6 | U | 12.6 | 43.6 | 430 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 23.8 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003477.D | 1 | 12/09/15 08:58 | 12/11/15 05:58 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 43.6 | U | 17.7 | 43.6 | 430 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 43.6 | U | 17.2 | 43.6 | 430 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 43.6 | U | 17.2 | 43.6 | 430 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 140 | | 28 - 127 | | 91% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 130 | | 34 - 127 | | 90% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 85.6 | | 31 - 132 | | 86% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 76.4 | | 39 - 123 | | 76% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 120 | | 30 - 133 | | 81% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 74.6 | | 37 - 115 | | 75% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 74259 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 327874 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 181926 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 357867 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 329430 | 21.32 | | | | |
| 1520-96-3 | Perylene-d12 | 320699 | 23.57 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003478.D | 1 | 12/09/15 08:58 | 12/11/15 06:34 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 40.9 | U | 21.3 | 40.9 | 400 | ug/Kg |
| 108-95-2 | Phenol | 40.9 | U | 9.4 | 40.9 | 400 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 40.9 | U | 19.6 | 40.9 | 400 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 40.9 | U | 21.6 | 40.9 | 400 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 40.9 | U | 22.2 | 40.9 | 400 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 40.9 | U | 16.9 | 40.9 | 400 | ug/Kg |
| 98-86-2 | Acetophenone | 40.9 | U | 12.5 | 40.9 | 400 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 40.9 | U | 21.2 | 40.9 | 400 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 40.9 | U | 20.6 | 40.9 | 400 | ug/Kg |
| 67-72-1 | Hexachloroethane | 40.9 | U | 18.3 | 40.9 | 400 | ug/Kg |
| 98-95-3 | Nitrobenzene | 40.9 | U | 15.5 | 40.9 | 400 | ug/Kg |
| 78-59-1 | Isophorone | 40.9 | U | 13.5 | 40.9 | 400 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 40.9 | U | 19.8 | 40.9 | 400 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 40.9 | U | 23.2 | 40.9 | 400 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 40.9 | U | 23.6 | 40.9 | 400 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 40.9 | U | 15.6 | 40.9 | 400 | ug/Kg |
| 91-20-3 | Naphthalene | 40.9 | U | 14.1 | 40.9 | 400 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 40.9 | U | 28.8 | 40.9 | 400 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 40.9 | U | 14.8 | 40.9 | 400 | ug/Kg |
| 105-60-2 | Caprolactam | 81.8 | U | 19 | 81.8 | 400 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 40.9 | U | 18.2 | 40.9 | 400 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 40.9 | U | 10.3 | 40.9 | 400 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 40.9 | U | 9.9 | 40.9 | 400 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 40.9 | U | 12.5 | 40.9 | 400 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 40.9 | U | 28.7 | 40.9 | 400 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 40.9 | U | 15.5 | 40.9 | 400 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 40.9 | U | 9.3 | 40.9 | 400 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 40.9 | U | 18.2 | 40.9 | 400 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 460 | | 11 | 40.9 | 400 | ug/Kg |
| 208-96-8 | Acenaphthylene | 40.9 | U | 10.3 | 40.9 | 400 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 40.9 | U | 16.7 | 40.9 | 400 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003478.D | 1 | 12/09/15 08:58 | 12/11/15 06:34 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 81.8 | U | 26.3 | 81.8 | 400 | ug/Kg |
| 83-32-9 | Acenaphthene | 40.9 | U | 11.5 | 40.9 | 400 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 330 | U | 41.6 | 330 | 400 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 200 | U | 75.9 | 200 | 400 | ug/Kg |
| 132-64-9 | Dibenzofuran | 40.9 | U | 15.9 | 40.9 | 400 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 40.9 | U | 12.3 | 40.9 | 400 | ug/Kg |
| 84-66-2 | Diethylphthalate | 40.9 | U | 6.4 | 40.9 | 400 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 40.9 | U | 22.2 | 40.9 | 400 | ug/Kg |
| 86-73-7 | Fluorene | 40.9 | U | 15.5 | 40.9 | 400 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 81.8 | U | 53.2 | 81.8 | 400 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 200 | U | 23.4 | 200 | 400 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 40.9 | U | 9.8 | 40.9 | 400 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 40.9 | U | 8 | 40.9 | 400 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 40.9 | U | 16.7 | 40.9 | 400 | ug/Kg |
| 1912-24-9 | Atrazine | 40.9 | U | 21.6 | 40.9 | 400 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 40.9 | U | 28 | 40.9 | 400 | ug/Kg |
| 85-01-8 | Phenanthrene | 110 | J | 11 | 40.9 | 400 | ug/Kg |
| 120-12-7 | Anthracene | 40.9 | U | 8.3 | 40.9 | 400 | ug/Kg |
| 86-74-8 | Carbazole | 40.9 | U | 9 | 40.9 | 400 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 40.9 | U | 32.1 | 40.9 | 400 | ug/Kg |
| 206-44-0 | Fluoranthene | 40.9 | U | 8.2 | 40.9 | 400 | ug/Kg |
| 129-00-0 | Pyrene | 40.9 | U | 9.8 | 40.9 | 400 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 40.9 | U | 19.6 | 40.9 | 400 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 40.9 | U | 26.3 | 40.9 | 400 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 40.9 | U | 19.5 | 40.9 | 400 | ug/Kg |
| 218-01-9 | Chrysene | 40.9 | U | 18.5 | 40.9 | 400 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 40.9 | U | 14.5 | 40.9 | 400 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 40.9 | U | 4.7 | 40.9 | 400 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 40.9 | U | 13.4 | 40.9 | 400 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 40.9 | U | 19.3 | 40.9 | 400 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 40.9 | U | 8.8 | 40.9 | 400 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 40.9 | U | 13.6 | 40.9 | 400 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 40.9 | U | 11.8 | 40.9 | 400 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 18.6 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003478.D | 1 | 12/09/15 08:58 | 12/11/15 06:34 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 40.9 | U | 16.6 | 40.9 | 400 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 40.9 | U | 16.1 | 40.9 | 400 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 40.9 | U | 16.1 | 40.9 | 400 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 120 | | 28 - 127 | | 81% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 34 - 127 | | 77% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 82.3 | | 31 - 132 | | 82% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 64.4 | | 39 - 123 | | 64% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 97.4 | | 30 - 133 | | 65% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 49 | | 37 - 115 | | 49% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 73239 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 305099 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 158884 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 322292 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 340759 | 21.31 | | | | |
| 1520-96-3 | Perylene-d12 | 342103 | 23.57 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 15.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003479.D | 1 | 12/09/15 08:58 | 12/11/15 07:09 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 100-52-7 | Benzaldehyde | 39.3 | U | 20.5 | 39.3 | 390 | ug/Kg |
| 108-95-2 | Phenol | 39.3 | U | 9.1 | 39.3 | 390 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 39.3 | U | 18.9 | 39.3 | 390 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 39.3 | U | 20.8 | 39.3 | 390 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 39.3 | U | 21.4 | 39.3 | 390 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 39.3 | U | 16.3 | 39.3 | 390 | ug/Kg |
| 98-86-2 | Acetophenone | 39.3 | U | 12 | 39.3 | 390 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 39.3 | U | 20.4 | 39.3 | 390 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 39.3 | U | 19.8 | 39.3 | 390 | ug/Kg |
| 67-72-1 | Hexachloroethane | 39.3 | U | 17.6 | 39.3 | 390 | ug/Kg |
| 98-95-3 | Nitrobenzene | 39.3 | U | 14.9 | 39.3 | 390 | ug/Kg |
| 78-59-1 | Isophorone | 39.3 | U | 13 | 39.3 | 390 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 39.3 | U | 19 | 39.3 | 390 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 39.3 | U | 22.3 | 39.3 | 390 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 39.3 | U | 22.7 | 39.3 | 390 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 39.3 | U | 15 | 39.3 | 390 | ug/Kg |
| 91-20-3 | Naphthalene | 39.3 | U | 13.6 | 39.3 | 390 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 39.3 | U | 27.7 | 39.3 | 390 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 39.3 | U | 14.3 | 39.3 | 390 | ug/Kg |
| 105-60-2 | Caprolactam | 78.7 | U | 18.3 | 78.7 | 390 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 39.3 | U | 17.5 | 39.3 | 390 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 39.3 | U | 9.9 | 39.3 | 390 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 39.3 | U | 9.6 | 39.3 | 390 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 39.3 | U | 12 | 39.3 | 390 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 39.3 | U | 27.6 | 39.3 | 390 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 39.3 | U | 14.9 | 39.3 | 390 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 39.3 | U | 9 | 39.3 | 390 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 39.3 | U | 17.5 | 39.3 | 390 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 420 | | 10.6 | 39.3 | 390 | ug/Kg |
| 208-96-8 | Acenaphthylene | 39.3 | U | 9.9 | 39.3 | 390 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 39.3 | U | 16 | 39.3 | 390 | ug/Kg |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 15.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003479.D | 1 | 12/09/15 08:58 | 12/11/15 07:09 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 78.7 | U | 25.2 | 78.7 | 390 | ug/Kg |
| 83-32-9 | Acenaphthene | 39.3 | U | 11.1 | 39.3 | 390 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 310 | U | 40 | 310 | 390 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 200 | U | 73 | 200 | 390 | ug/Kg |
| 132-64-9 | Dibenzofuran | 39.3 | U | 15.3 | 39.3 | 390 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 39.3 | U | 11.8 | 39.3 | 390 | ug/Kg |
| 84-66-2 | Diethylphthalate | 39.3 | U | 6.1 | 39.3 | 390 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 39.3 | U | 21.4 | 39.3 | 390 | ug/Kg |
| 86-73-7 | Fluorene | 39.3 | U | 14.9 | 39.3 | 390 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 78.7 | U | 51.2 | 78.7 | 390 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 200 | U | 22.5 | 200 | 390 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 39.3 | U | 9.4 | 39.3 | 390 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 39.3 | U | 7.7 | 39.3 | 390 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 39.3 | U | 16 | 39.3 | 390 | ug/Kg |
| 1912-24-9 | Atrazine | 39.3 | U | 20.8 | 39.3 | 390 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 39.3 | U | 26.9 | 39.3 | 390 | ug/Kg |
| 85-01-8 | Phenanthrene | 39.3 | U | 10.6 | 39.3 | 390 | ug/Kg |
| 120-12-7 | Anthracene | 39.3 | U | 8 | 39.3 | 390 | ug/Kg |
| 86-74-8 | Carbazole | 39.3 | U | 8.6 | 39.3 | 390 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 39.3 | U | 30.9 | 39.3 | 390 | ug/Kg |
| 206-44-0 | Fluoranthene | 39.3 | U | 7.9 | 39.3 | 390 | ug/Kg |
| 129-00-0 | Pyrene | 39.3 | U | 9.4 | 39.3 | 390 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 39.3 | U | 18.9 | 39.3 | 390 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 39.3 | U | 25.2 | 39.3 | 390 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 39.3 | U | 18.8 | 39.3 | 390 | ug/Kg |
| 218-01-9 | Chrysene | 39.3 | U | 17.8 | 39.3 | 390 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 39.3 | U | 13.9 | 39.3 | 390 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 39.3 | U | 4.5 | 39.3 | 390 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 39.3 | U | 12.9 | 39.3 | 390 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 39.3 | U | 18.5 | 39.3 | 390 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 39.3 | U | 8.5 | 39.3 | 390 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 39.3 | U | 13.1 | 39.3 | 390 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 39.3 | U | 11.3 | 39.3 | 390 | ug/Kg |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Moisture: | 15.3 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM003479.D | 1 | 12/09/15 08:58 | 12/11/15 07:09 | PB87152 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 39.3 | U | 15.9 | 39.3 | 390 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 39.3 | U | 15.5 | 39.3 | 390 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 39.3 | U | 15.5 | 39.3 | 390 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 130 | | 28 - 127 | | 84% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 34 - 127 | | 82% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 79 | | 31 - 132 | | 79% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 76 | | 39 - 123 | | 76% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 120 | | 30 - 133 | | 80% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 69.2 | | 37 - 115 | | 69% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 71967 | 7.72 | | | | |
| 1146-65-2 | Naphthalene-d8 | 309607 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 169864 | 14.37 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 346720 | 17.12 | | | | |
| 1719-03-5 | Chrysene-d12 | 339827 | 21.32 | | | | |
| 1520-96-3 | Perylene-d12 | 337164 | 23.57 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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M = MS/MSD acceptance criteria did not meet requirements
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4725 | **OrderDate:** | 12/9/2015 12:56:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | K53 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4725-01** | **SB1(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-02** | **SB2(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-03** | **SB3(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-04** | **SB4(12-14)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-05** | **SB5A(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-06** | **SB6(4-8)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-07** | **SB7(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |
| **G4725-08** | **SB8(18-20)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | SVOCMS Group1 | 8270D | | 12/09/15 | 12/11/15 | |

# Hit Summary Sheet
SW-846

**SDG No.:** **Order ID:**

**Client:** **Project ID:**

| Sample ID | Client ID | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| Client ID : | | | | | | | | |

**Total Concentration:**

# SAMPLE DATA

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 31.1 Decanted: |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026491.D | 1 | 12/11/15 08:10 | 12/14/15 14:08 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.8 | U | 2.2 | 4.8 | 24.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 14.9 | | 10 - 166 | | 75% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 9.89 | * | 60 - 125 | | 49% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 31.1 Decanted: |
| Sample Wt/Vol: | 30.09 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026531.D | 1 | 12/11/15 08:10 | 12/15/15 01:45 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.8 | U | 2.2 | 4.8 | 24.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.8 | | 10 - 166 | | 89% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 9.11 | * | 60 - 125 | | 46% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 10.2 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026492.D | 1 | 12/11/15 08:10 | 12/14/15 14:24 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.7 | U | 1.7 | 3.7 | 18.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17 | | 10 - 166 | | 85% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 10.8 | * | 60 - 125 | | 54% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 10.2 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026532.D | 1 | 12/11/15 08:10 | 12/15/15 02:00 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.7 | U | 1.7 | 3.7 | 18.9 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.7 | U | 3.7 | 3.7 | 18.9 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 20.1 | | 10 - 166 | | 100% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 10.9 | * | 60 - 125 | | 54% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 20.2 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026493.D | 1 | 12/11/15 08:10 | 12/14/15 14:40 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.2 | U | 1.9 | 4.2 | 21.2 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 14.7 | | 10 - 166 | | 74% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 8.04 | * | 60 - 125 | | 40% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 20.2 Decanted: |
| Sample Wt/Vol: | 30.08 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026533.D | 1 | 12/11/15 08:10 | 12/15/15 02:16 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.2 | U | 1.9 | 4.2 | 21.2 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.2 | U | 4.2 | 4.2 | 21.2 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.3 | | 10 - 166 | | 87% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 7.58 | * | 60 - 125 | | 38% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 31 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026494.D | 1 | 12/11/15 08:10 | 12/14/15 14:55 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.8 | U | 2.2 | 4.8 | 24.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 13.8 | | 10 - 166 | | 69% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 5.18 | * | 60 - 125 | | 26% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 31 Decanted: |
| Sample Wt/Vol: | 30.01 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026534.D | 1 | 12/11/15 08:10 | 12/15/15 02:32 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.8 | U | 2.2 | 4.8 | 24.6 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.8 | U | 4.8 | 4.8 | 24.6 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 16.6 | | 10 - 166 | | 83% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 4.59 | * | 60 - 125 | | 23% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 27 Decanted: |
| Sample Wt/Vol: | 30.1 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026495.D | 1 | 12/11/15 08:10 | 12/14/15 15:11 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.5 | U | 2 | 4.5 | 23.2 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 15 | | 10 - 166 | | 75% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 11.6 | * | 60 - 125 | | 58% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 27 Decanted: |
| Sample Wt/Vol: | 30.1 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026535.D | 1 | 12/11/15 08:10 | 12/15/15 02:48 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.5 | U | 2 | 4.5 | 23.2 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.5 | U | 4.5 | 4.5 | 23.2 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 17.6 | | 10 - 166 | | 88% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 11 | * | 60 - 125 | | 55% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 23.8 Decanted: |
| Sample Wt/Vol: | 30.05 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026496.D | 1 | 12/11/15 08:10 | 12/14/15 15:27 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.4 | U | 2 | 4.4 | 22.3 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.4 | U | 4.4 | 4.4 | 22.3 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 16.4 | | 10 - 166 | | 82% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 11.9 | | 60 - 125 | | 60% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 18.6 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026497.D | 1 | 12/11/15 08:10 | 12/14/15 15:42 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.1 | U | 1.8 | 4.1 | 20.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 13.8 | | 10 - 166 | | 69% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 7.65 | * | 60 - 125 | | 38% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 18.6 Decanted: |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026537.D | 1 | 12/11/15 08:10 | 12/15/15 03:19 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 4.1 | U | 1.8 | 4.1 | 20.8 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 4.1 | U | 4.1 | 4.1 | 20.8 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 16.5 | | 10 - 166 | | 82% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 7.48 | * | 60 - 125 | | 37% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 15.3 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026462.D | 1 | 12/11/15 08:10 | 12/11/15 23:20 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.9 | U | 1.8 | 3.9 | 20.1 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 19.7 | | 10 - 166 | | 99% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 10.6 | * | 60 - 125 | | 53% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20)RE | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08RE | Matrix: | SOIL |
| Analytical Method: | SW8082A | % Moisture: | 15.3 Decanted: |
| Sample Wt/Vol: | 30.03 Units: g | Final Vol: | 10000 uL |
| Soil Aliquot Vol: | uL | Test: | PCB |
| Extraction Type: | | Injection Volume : | |
| GPC Factor : | 1.0 PH : | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| PO026529.D | 1 | 12/11/15 08:10 | 12/15/15 01:13 | PB87208 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 12674-11-2 | Aroclor-1016 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11104-28-2 | Aroclor-1221 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11141-16-5 | Aroclor-1232 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 53469-21-9 | Aroclor-1242 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 12672-29-6 | Aroclor-1248 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11097-69-1 | Aroclor-1254 | 3.9 | U | 1.8 | 3.9 | 20.1 | ug/kg |
| 37324-23-5 | Aroclor-1262 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11100-14-4 | Aroclor-1268 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| 11096-82-5 | Aroclor-1260 | 3.9 | U | 3.9 | 3.9 | 20.1 | ug/kg |
| **SURROGATES** | | | | | | | |
| 877-09-8 | Tetrachloro-m-xylene | 22 | | 10 - 166 | | 110% | SPK: 20 |
| 2051-24-3 | Decachlorobiphenyl | 10.5 | * | 60 - 125 | | 52% | SPK: 20 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4725 | **OrderDate:** | 12/9/2015 12:56:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | K53 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4725-01** | **SB1(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |
| **G4725-01RE** | **SB1(9-10)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |
| **G4725-02** | **SB2(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |
| **G4725-02RE** | **SB2(2-4)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |
| **G4725-03** | **SB3(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |
| **G4725-03RE** | **SB3(2-4)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |
| **G4725-04** | **SB4(12-14)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |
| **G4725-04RE** | **SB4(12-14)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |
| **G4725-05** | **SB5A(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |
| **G4725-05RE** | **SB5A(9-10)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |
| **G4725-06** | **SB6(4-8)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |
| **G4725-07** | **SB7(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/14/15 | |

## LAB CHRONICLE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **G4725-07RE** | **SB7(2-4)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |
| **G4725-08** | **SB8(18-20)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/11/15 | |
| **G4725-08RE** | **SB8(18-20)RE** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | PCB | 8082A | | 12/11/15 | 12/15/15 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4725 **Order ID:** G4725

**Client:** LaBella Associates P.C. **Project ID:** 1660 Niagara Street, Buffalo, NY

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : SB1(9-10)** | | | | | | | | | |
| G4725-01 | SB1(9-10) | SOIL | Arsenic | 3.290 | | 0.291 | 0.291 | 1.17 | mg/Kg |
| G4725-01 | SB1(9-10) | SOIL | Barium | 61.900 | | 0.466 | 1.46 | 5.83 | mg/Kg |
| G4725-01 | SB1(9-10) | SOIL | Cadmium | 0.175 | J | 0.07 | 0.087 | 0.35 | mg/Kg |
| G4725-01 | SB1(9-10) | SOIL | Chromium | 12.100 | | 0.146 | 0.146 | 0.583 | mg/Kg |
| G4725-01 | SB1(9-10) | SOIL | Lead | 121.000 | | 0.14 | 0.291 | 0.699 | mg/Kg |
| G4725-01 | SB1(9-10) | SOIL | Mercury | 0.334 | | 0.01 | 0.01 | 0.02 | mg/Kg |
| G4725-01 | SB1(9-10) | SOIL | Silver | 2.020 | | 0.146 | 0.146 | 0.583 | mg/Kg |
| **Client ID : SB2(2-4)** | | | | | | | | | |
| G4725-02 | SB2(2-4) | SOIL | Arsenic | 27.300 | | 0.231 | 0.231 | 0.924 | mg/Kg |
| G4725-02 | SB2(2-4) | SOIL | Barium | 33.300 | | 0.37 | 1.16 | 4.62 | mg/Kg |
| G4725-02 | SB2(2-4) | SOIL | Cadmium | 28.000 | | 0.055 | 0.069 | 0.277 | mg/Kg |
| G4725-02 | SB2(2-4) | SOIL | Chromium | 23.600 | | 0.116 | 0.116 | 0.462 | mg/Kg |
| G4725-02 | SB2(2-4) | SOIL | Lead | 423.000 | | 0.111 | 0.231 | 0.554 | mg/Kg |
| G4725-02 | SB2(2-4) | SOIL | Mercury | 0.246 | | 0.007 | 0.007 | 0.014 | mg/Kg |
| G4725-02 | SB2(2-4) | SOIL | Silver | 20.600 | | 0.116 | 0.116 | 0.462 | mg/Kg |
| **Client ID : SB3(2-4)** | | | | | | | | | |
| G4725-03 | SB3(2-4) | SOIL | Arsenic | 65.700 | | 0.261 | 0.261 | 1.04 | mg/Kg |
| G4725-03 | SB3(2-4) | SOIL | Barium | 80.300 | | 0.418 | 1.31 | 5.22 | mg/Kg |
| G4725-03 | SB3(2-4) | SOIL | Cadmium | 0.444 | | 0.063 | 0.078 | 0.313 | mg/Kg |
| G4725-03 | SB3(2-4) | SOIL | Chromium | 21.200 | | 0.131 | 0.131 | 0.522 | mg/Kg |
| G4725-03 | SB3(2-4) | SOIL | Lead | 33.000 | | 0.125 | 0.261 | 0.627 | mg/Kg |
| G4725-03 | SB3(2-4) | SOIL | Mercury | 0.069 | | 0.008 | 0.008 | 0.017 | mg/Kg |
| G4725-03 | SB3(2-4) | SOIL | Silver | 3.150 | | 0.131 | 0.131 | 0.522 | mg/Kg |
| **Client ID : SB4(12-14)** | | | | | | | | | |
| G4725-04 | SB4(12-14) | SOIL | Arsenic | 4.270 | | 0.311 | 0.311 | 1.24 | mg/Kg |
| G4725-04 | SB4(12-14) | SOIL | Barium | 101.000 | | 0.498 | 1.56 | 6.22 | mg/Kg |
| G4725-04 | SB4(12-14) | SOIL | Cadmium | 0.258 | J | 0.075 | 0.093 | 0.373 | mg/Kg |
| G4725-04 | SB4(12-14) | SOIL | Chromium | 18.200 | | 0.156 | 0.156 | 0.622 | mg/Kg |
| G4725-04 | SB4(12-14) | SOIL | Lead | 127.000 | | 0.149 | 0.311 | 0.746 | mg/Kg |
| G4725-04 | SB4(12-14) | SOIL | Mercury | 0.649 | | 0.009 | 0.009 | 0.018 | mg/Kg |
| G4725-04 | SB4(12-14) | SOIL | Silver | 2.070 | | 0.156 | 0.156 | 0.622 | mg/Kg |
| **Client ID : SB5A(9-10)** | | | | | | | | | |
| G4725-05 | SB5A(9-10) | SOIL | Arsenic | 31.000 | | 0.289 | 0.289 | 1.16 | mg/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Barium | 54.700 | | 0.462 | 1.45 | 5.78 | mg/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Chromium | 440.000 | | 0.145 | 0.145 | 0.578 | mg/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Lead | 49.800 | | 0.139 | 0.289 | 0.694 | mg/Kg |

# Hit Summary Sheet
**SW-846**

**SDG No.:** G4725 **Order ID:** G4725

**Client:** LaBella Associates P.C. **Project ID:** 1660 Niagara Street, Buffalo, NY

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| G4725-05 | SB5A(9-10) | SOIL | Mercury | 0.123 | | 0.009 | 0.009 | 0.018 | mg/Kg |
| G4725-05 | SB5A(9-10) | SOIL | Silver | 2.970 | | 0.145 | 0.145 | 0.578 | mg/Kg |
| **Client ID : SB6(4-8)** | | | | | | | | | |
| G4725-06 | SB6(4-8) | SOIL | Arsenic | 3.660 | | 0.283 | 0.283 | 1.13 | mg/Kg |
| G4725-06 | SB6(4-8) | SOIL | Barium | 128.000 | | 0.453 | 1.41 | 5.66 | mg/Kg |
| G4725-06 | SB6(4-8) | SOIL | Cadmium | 0.297 | J | 0.068 | 0.085 | 0.339 | mg/Kg |
| G4725-06 | SB6(4-8) | SOIL | Chromium | 51.400 | | 0.141 | 0.141 | 0.566 | mg/Kg |
| G4725-06 | SB6(4-8) | SOIL | Lead | 44.200 | | 0.136 | 0.283 | 0.679 | mg/Kg |
| G4725-06 | SB6(4-8) | SOIL | Mercury | 0.069 | | 0.009 | 0.009 | 0.018 | mg/Kg |
| G4725-06 | SB6(4-8) | SOIL | Silver | 2.410 | | 0.141 | 0.141 | 0.566 | mg/Kg |
| **Client ID : SB7(2-4)** | | | | | | | | | |
| G4725-07 | SB7(2-4) | SOIL | Arsenic | 17.000 | | 0.264 | 0.264 | 1.05 | mg/Kg |
| G4725-07 | SB7(2-4) | SOIL | Barium | 30.800 | | 0.422 | 1.32 | 5.27 | mg/Kg |
| G4725-07 | SB7(2-4) | SOIL | Cadmium | 11.000 | | 0.063 | 0.079 | 0.316 | mg/Kg |
| G4725-07 | SB7(2-4) | SOIL | Chromium | 20.000 | | 0.132 | 0.132 | 0.527 | mg/Kg |
| G4725-07 | SB7(2-4) | SOIL | Lead | 243.000 | | 0.127 | 0.264 | 0.633 | mg/Kg |
| G4725-07 | SB7(2-4) | SOIL | Mercury | 0.096 | | 0.008 | 0.008 | 0.017 | mg/Kg |
| G4725-07 | SB7(2-4) | SOIL | Silver | 16.400 | | 0.132 | 0.132 | 0.527 | mg/Kg |
| **Client ID : SB8(18-20)** | | | | | | | | | |
| G4725-08 | SB8(18-20) | SOIL | Arsenic | 2.180 | | 0.251 | 0.251 | 1 | mg/Kg |
| G4725-08 | SB8(18-20) | SOIL | Barium | 29.800 | | 0.402 | 1.26 | 5.02 | mg/Kg |
| G4725-08 | SB8(18-20) | SOIL | Cadmium | 0.328 | | 0.06 | 0.075 | 0.301 | mg/Kg |
| G4725-08 | SB8(18-20) | SOIL | Chromium | 7.810 | | 0.126 | 0.126 | 0.502 | mg/Kg |
| G4725-08 | SB8(18-20) | SOIL | Lead | 9.090 | | 0.121 | 0.251 | 0.603 | mg/Kg |
| G4725-08 | SB8(18-20) | SOIL | Mercury | 0.014 | J | 0.007 | 0.007 | 0.015 | mg/Kg |
| G4725-08 | SB8(18-20) | SOIL | Silver | 0.765 | | 0.126 | 0.126 | 0.502 | mg/Kg |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB1(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-01 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 68.9 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.29 | | 1 | 0.291 | 0.291 | 1.17 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |
| 7440-39-3 | Barium | 61.9 | | 1 | 0.466 | 1.46 | 5.83 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |
| 7440-43-9 | Cadmium | 0.175 | J | 1 | 0.07 | 0.087 | 0.35 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |
| 7440-47-3 | Chromium | 12.1 | | 1 | 0.146 | 0.146 | 0.583 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |
| 7439-92-1 | Lead | 121 | | 1 | 0.14 | 0.291 | 0.699 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |
| 7439-97-6 | Mercury | 0.334 | | 1 | 0.01 | 0.01 | 0.02 | mg/Kg | 12/10/15 11:52 | 12/11/15 18:58 | SW7471A |
| 7782-49-2 | Selenium | 0.291 | U | 1 | 0.291 | 0.291 | 1.17 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |
| 7440-22-4 | Silver | 2.02 | | 1 | 0.146 | 0.146 | 0.583 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:41 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis



| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB2(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-02 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 89.8 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 27.3 | | 1 | 0.231 | 0.231 | 0.924 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |
| 7440-39-3 | Barium | 33.3 | | 1 | 0.37 | 1.16 | 4.62 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |
| 7440-43-9 | Cadmium | 28 | | 1 | 0.055 | 0.069 | 0.277 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |
| 7440-47-3 | Chromium | 23.6 | | 1 | 0.116 | 0.116 | 0.462 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |
| 7439-92-1 | Lead | 423 | | 1 | 0.111 | 0.231 | 0.554 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |
| 7439-97-6 | Mercury | 0.246 | | 1 | 0.007 | 0.007 | 0.014 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:00 | SW7471A |
| 7782-49-2 | Selenium | 0.231 | U | 1 | 0.231 | 0.231 | 0.924 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |
| 7440-22-4 | Silver | 20.6 | | 1 | 0.116 | 0.116 | 0.462 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:46 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB3(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-03 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 79.8 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 65.7 | | 1 | 0.261 | 0.261 | 1.04 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |
| 7440-39-3 | Barium | 80.3 | | 1 | 0.418 | 1.31 | 5.22 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |
| 7440-43-9 | Cadmium | 0.444 | | 1 | 0.063 | 0.078 | 0.313 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |
| 7440-47-3 | Chromium | 21.2 | | 1 | 0.131 | 0.131 | 0.522 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |
| 7439-92-1 | Lead | 33 | | 1 | 0.125 | 0.261 | 0.627 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |
| 7439-97-6 | Mercury | 0.069 | | 1 | 0.008 | 0.008 | 0.017 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:02 | SW7471A |
| 7782-49-2 | Selenium | 0.261 | U | 1 | 0.261 | 0.261 | 1.04 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |
| 7440-22-4 | Silver | 3.15 | | 1 | 0.131 | 0.131 | 0.522 | mg/Kg | 12/10/15 08:45 | 12/10/15 19:58 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB4(12-14) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-04 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 69 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 4.27 | | 1 | 0.311 | 0.311 | 1.24 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |
| 7440-39-3 | Barium | 101 | | 1 | 0.498 | 1.56 | 6.22 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |
| 7440-43-9 | Cadmium | 0.258 | J | 1 | 0.075 | 0.093 | 0.373 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |
| 7440-47-3 | Chromium | 18.2 | | 1 | 0.156 | 0.156 | 0.622 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |
| 7439-92-1 | Lead | 127 | | 1 | 0.149 | 0.311 | 0.746 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |
| 7439-97-6 | Mercury | 0.649 | | 1 | 0.009 | 0.009 | 0.018 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:05 | SW7471A |
| 7782-49-2 | Selenium | 0.311 | U | 1 | 0.311 | 0.311 | 1.24 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |
| 7440-22-4 | Silver | 2.07 | | 1 | 0.156 | 0.156 | 0.622 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:02 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB5A(9-10) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-05 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 73 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 31 | | 1 | 0.289 | 0.289 | 1.16 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |
| 7440-39-3 | Barium | 54.7 | | 1 | 0.462 | 1.45 | 5.78 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |
| 7440-43-9 | Cadmium | 0.087 | U | 1 | 0.069 | 0.087 | 0.347 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |
| 7440-47-3 | Chromium | 440 | | 1 | 0.145 | 0.145 | 0.578 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |
| 7439-92-1 | Lead | 49.8 | | 1 | 0.139 | 0.289 | 0.694 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |
| 7439-97-6 | Mercury | 0.123 | | 1 | 0.009 | 0.009 | 0.018 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:07 | SW7471A |
| 7782-49-2 | Selenium | 0.289 | U | 1 | 0.289 | 0.289 | 1.16 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |
| 7440-22-4 | Silver | 2.97 | | 1 | 0.145 | 0.145 | 0.578 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:07 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB6(4-8) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-06 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 76.2 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.66 | | 1 | 0.283 | 0.283 | 1.13 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |
| 7440-39-3 | Barium | 128 | | 1 | 0.453 | 1.41 | 5.66 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |
| 7440-43-9 | Cadmium | 0.297 | J | 1 | 0.068 | 0.085 | 0.339 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |
| 7440-47-3 | Chromium | 51.4 | | 1 | 0.141 | 0.141 | 0.566 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |
| 7439-92-1 | Lead | 44.2 | | 1 | 0.136 | 0.283 | 0.679 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |
| 7439-97-6 | Mercury | 0.069 | | 1 | 0.009 | 0.009 | 0.018 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:09 | SW7471A |
| 7782-49-2 | Selenium | 0.283 | U | 1 | 0.283 | 0.283 | 1.13 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |
| 7440-22-4 | Silver | 2.41 | | 1 | 0.141 | 0.141 | 0.566 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:11 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB7(2-4) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-07 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 81.4 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 17 | | 1 | 0.264 | 0.264 | 1.05 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |
| 7440-39-3 | Barium | 30.8 | | 1 | 0.422 | 1.32 | 5.27 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |
| 7440-43-9 | Cadmium | 11 | | 1 | 0.063 | 0.079 | 0.316 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |
| 7440-47-3 | Chromium | 20 | | 1 | 0.132 | 0.132 | 0.527 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |
| 7439-92-1 | Lead | 243 | | 1 | 0.127 | 0.264 | 0.633 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |
| 7439-97-6 | Mercury | 0.096 | | 1 | 0.008 | 0.008 | 0.017 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:11 | SW7471A |
| 7782-49-2 | Selenium | 0.264 | U | 1 | 0.264 | 0.264 | 1.05 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |
| 7440-22-4 | Silver | 16.4 | | 1 | 0.132 | 0.132 | 0.527 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:15 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/08/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/09/15 |
| Client Sample ID: | SB8(18-20) | SDG No.: | G4725 |
| Lab Sample ID: | G4725-08 | Matrix: | SOIL |
| Level (low/med): | low | % Solid: | 84.7 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units(Dry Weight) | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 2.18 | | 1 | 0.251 | 0.251 | 1 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |
| 7440-39-3 | Barium | 29.8 | | 1 | 0.402 | 1.26 | 5.02 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |
| 7440-43-9 | Cadmium | 0.328 | | 1 | 0.06 | 0.075 | 0.301 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |
| 7440-47-3 | Chromium | 7.81 | | 1 | 0.126 | 0.126 | 0.502 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |
| 7439-92-1 | Lead | 9.09 | | 1 | 0.121 | 0.251 | 0.603 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |
| 7439-97-6 | Mercury | 0.014 | J | 1 | 0.007 | 0.007 | 0.015 | mg/Kg | 12/10/15 11:52 | 12/11/15 19:14 | SW7471A |
| 7782-49-2 | Selenium | 0.251 | U | 1 | 0.251 | 0.251 | 1 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |
| 7440-22-4 | Silver | 0.765 | | 1 | 0.126 | 0.126 | 0.502 | mg/Kg | 12/10/15 08:45 | 12/10/15 20:19 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Brown | Clarity Before: | | Texture: | Medium |
| Color After: | Yellow | Clarity After: | | Artifacts: | No |
| Comments: | METALS RCRA | | | | |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4725 | **OrderDate:** | 12/9/2015 12:56:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | K53 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4725-01** | **SB1(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-02** | **SB2(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-03** | **SB3(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-04** | **SB4(12-14)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-05** | **SB5A(9-10)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-06** | **SB6(4-8)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-07** | **SB7(2-4)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |
| **G4725-08** | **SB8(18-20)** | **SOIL** | | | **12/08/15** | | | **12/09/15** |
| | | | Mercury | 7471A | | 12/10/15 | 12/11/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/10/15 | 12/10/15 | |

# SHIPPING DOCUMENTS

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(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G4725
QUOTE NO.
COC Number 036449

### CLIENT INFORMATION
REPORT TO BE SENT TO:
COMPANY: LaBella Associates DPC
ADDRESS: 300 Pearl St. Suite 130
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Adam Zebrowski
PHONE: 716-551-6281 FAX: 716-551-6282

### CLIENT PROJECT INFORMATION
PROJECT NAME: Buffalo Niagara Riverkeeper
PROJECT NO. 2151177 LOCATION: Buffalo NY
PROJECT MANAGER: Adam Zebrowski
e-mail: azebrowski@labellapc.com
PHONE: FAX:

### CLIENT BILLING INFORMATION
BILL TO: LaBella PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: Adam Z. PHONE:

### DATA TURNAROUND INFORMATION
FAX: DAYS *
HARD COPY: DAYS *
EDD: Standard DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION
☒ LEVEL 1: Results only ☐ Others
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

### ANALYSIS
1 TCL VOC's 8260
2 CP-51 VOC's 8260
3 CP-51 SVOC's 8270
4 PCB's 8082
5 RCRA Metals 6010/7470
6
7
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | SB1 (9-10') | Soil | | X | 12-8-15 | 9:20 | 2 | X | X | X | X | X | | | | | |
| 2. | SB2 (2'-4') | Soil | | X | 12-8-15 | 10:00 | 2 | X | X | X | X | X | | | | | |
| 3. | SB3 (2-4') | Soil | | X | 12-8-15 | 10:45 | 2 | X | X | X | X | X | | | | | |
| 4. | SB4 (12-14') | Soil | | X | 12-8-15 | 11:05 | 2 | X | X | X | X | X | | | | | |
| 5. | SB5A (9-10') | Soil | | X | 12-8-15 | 14:30 | 2 | X | X | X | X | X | | | | | |
| 6. | SB6 (4-8') | Soil | | X | 12-8-15 | 12:45 | 2 | X | X | X | X | X | | | | | |
| 7. | SB7 (2'-4') | Soil | | X | 12-8-15 | 13:30 | 2 | X | X | X | X | X | | | | | |
| 8. | SB8 (18'-20') | Soil | | X | 12-8-15 | 15:20 | 2 | X | X | X | X | X | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

PRESERVATIVES: ← Specify Preservatives
A – HCl B – $HNO_3$ C – $H_2SO_4$ D – NaOH E – ICE F – Other

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. RELINQUISHED BY SAMPLER: | 12-8-15 6PM | 1. |
| 2. RELINQUISHED BY: | DATE/TIME | 2. RECEIVED BY: |
| 3. RELINQUISHED BY: | DATE/TIME: 10:05 12-9-15 | 3. RECEIVED FOR LAB BY: |

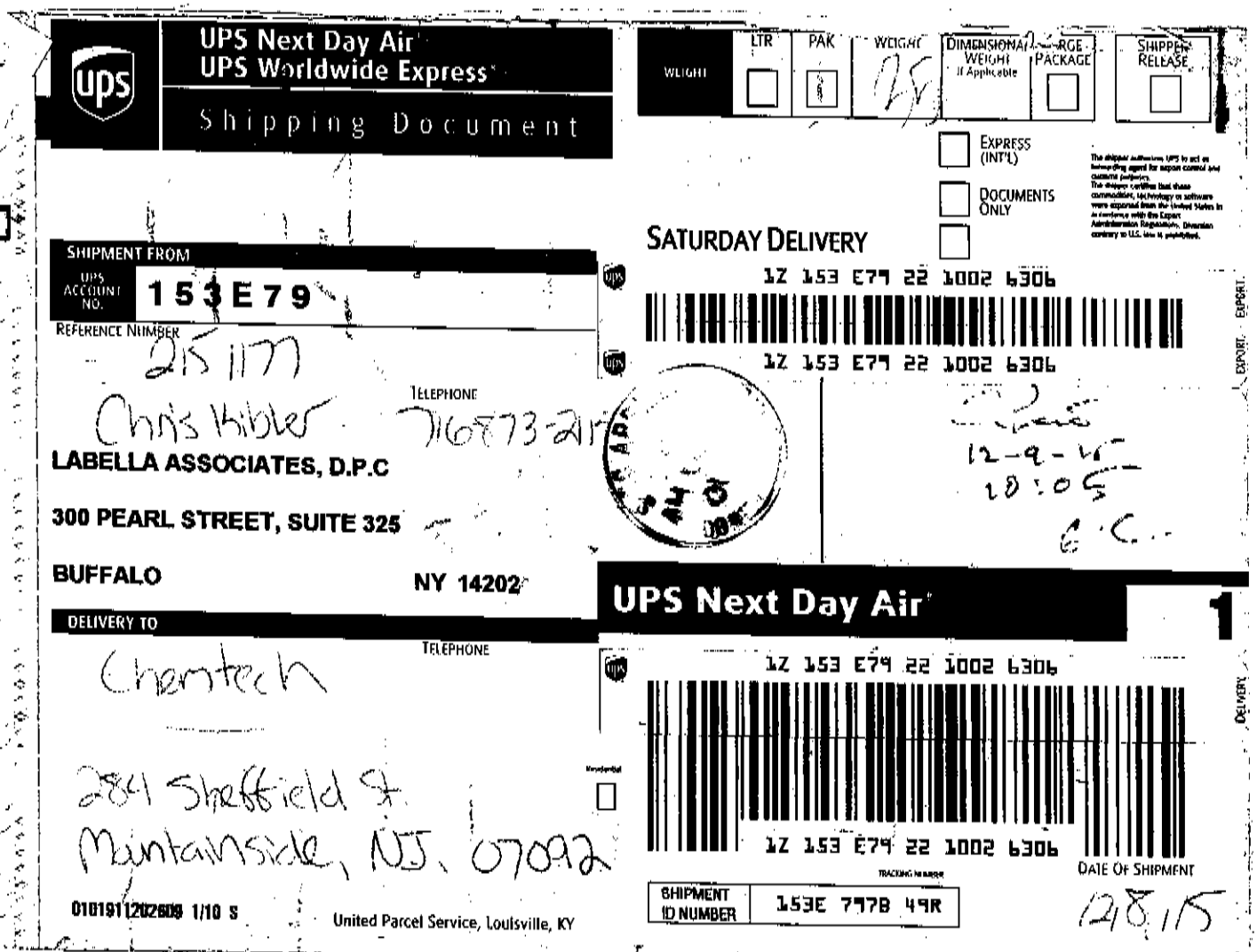
Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 6 °C
Ice in Cooler?: Yes

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



UPS Next Day Air
UPS Worldwide Express
Shipping Document

WEIGHT | LTR | PAK | WEIGHT 15 | DIMENSIONAL WEIGHT If Applicable | LARGE PACKAGE | SHIPPER RELEASE

EXPRESS (INT'L)
DOCUMENTS ONLY

SATURDAY DELIVERY

1Z 153 E79 22 1002 6306

SHIPMENT FROM
UPS ACCOUNT NO. 153E79
REFERENCE NUMBER 215 1177

Chris Kibler
TELEPHONE 716 873-2111

LABELLA ASSOCIATES, D.P.C
300 PEARL STREET, SUITE 325
BUFFALO NY 14202

12-9-15
10:05
G.C.

DELIVERY TO
Chemtech
TELEPHONE

2841 Sheffield St.
Maintainside, NJ. 07092

UPS Next Day Air 1

1Z 153 E79 22 1002 6306

SHIPMENT ID NUMBER 153E 7978 49R

DATE OF SHIPMENT 12/8/15

01019112026B 1/10 S
United Parcel Service, Louisville, KY

EXPORT. EXPORT.
DELIVERY

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

# Laboratory Certification

| State | License No. |
|---|---|
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Connecticut | PH-0649 |
| | |
| Florida | E87935 |
| | |
| Louisiana | 5035 |
| | |
| Maryland | 296 |
| | |
| Massachusetts | M-NJ503 |
| | |
| Pennsylvania | 68-548 |
| | |
| Rhode Island | LAO00259 |
| | |
| Virginia | 460220 |
| | |
| Texas | T10470448-10-1 |

Other :

| | |
|---|---|
| DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025 | L2219 |
| | |
| Soil Permit | P330-11-00012 |
| | |
| CLP Inorganic Contract | EPW09038 |
| | |
| CLP Organic Contract | EPW11030 |

QA Control Code: A2070148

# LOGIN REPORT/SAMPLE TRANSFER

JAR 12/9

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | G4725 LABE01 | **Order Date:** | 12/9/2015 | **Project Mgr:** | karen |
| **Client Name:** | LaBella Associates P.C. | **Project Name:** | 1660 Niagara Street, Buffalo, N | **Report Type:** | Level 1 |
| **Client Contact:** | Adam Zebrowski | **Rec DateTime** | 12/9/2015 10:05:00 AM | **EDD:** | EXCEL NOCLEANUP |
| **Invoice Name:** | LaBella Associates P.C. | **Purchase Order:** | LaBella #2151177 | **Hard Copy Date:** | |
| **Invoice Contact** | Adam Zebrowski | **Login Tech:** | KANDARP | **Date Signoff:** | 12/9/2015 1:42:09 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G4725-01 | SB1(9-10) | Solid | 12/8/2015 | 9:20 | 2 | | A 5.00 | | | | |
| | | | | | | VOCMS Group1 | B 502 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-02 | SB2(2-4) | Solid | 12/8/2015 | 10:00 | 2 | | A 4.98 | | | | |
| | | | | | | VOCMS Group1 | B 499 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-03 | SB3(2-4) | Solid | 12/8/2015 | 10:15 | 2 | | A 502 | | | | |
| | | | | | | VOCMS Group1 | B 502 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-04 | SB4(12-14) | Solid | 12/8/2015 | 11:05 | 2 | | A 500 | | | | |
| | | | | | | VOCMS Group1 | B 501 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-05 | SB5A(9-10) | Solid | 12/8/2015 | 14:30 | 2 | | A 4.98 | | | | |
| | Smelly | | | | | VOCMS Group1 | B 4.99 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-06 | SB6(4-8) | Solid | 12/8/2015 | 12:45 | 2 | | A 503 | | | | |
| | | | | | | VOCMS Group1 | B 500 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-07 | SB7(2-4) | Solid | 12/8/2015 | 13:30 | 2 | | A 4.99 | | | | |
| | | | | | | VOCMS Group1 | B 500 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |
| G4725-08 | SB8(18-20) | Solid | 12/8/2015 | 15:20 | 2 | | | | | | |
| | | | | | | VOCMS Group1 | A 501<br>B 501 | 8260C | | 10 Bus. 2/22/2015 | 12/22/2 |

# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | G4725 LABE01 | **Order Date:** | 12/9/2015 | **Project Mgr:** | karen |
| **Client Name:** | LaBella Associates P.C. | **Project Name:** | 1660 Niagara Street, Buffalo, N | **Report Type:** | Level 1 |
| **Client Contact:** | Adam Zebrowski | **Rec DateTime** | 12/9/2015 10:05:00 AM | **EDD:** | EXCEL NOCLEANUP |
| **Invoice Name:** | LaBella Associates P.C. | **Purchase Order:** | LaBella #2151177 | **Hard Copy Date:** | |
| **Invoice Contact** | Adam Zebrowski | **Login Tech:** | KANDARP | **Date Signoff:** | 12/9/2015 1:42:09 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|

## SAMPLE CONDITION RECORD

| | |
|---|---|
| Are samples submitted with a chain of custody? | Yes |
| Are the number of samples the same as stated on the chain of custody? | Yes |
| Are bottle caps tight and securely in place? | Yes |
| Were all containers intact when received? | Yes |
| Were samples submitted in an ice chest? | Yes |
| Were samples received cold? | Yes |
| Were samples within the holding time for the requested test(s)? | Yes |
| Is the volume of sample submitted sufficient for the requested test(s)? | Yes |
| Are all samples for volatile organic analyses free of headspace? | NA |

## ORDER COMMENT

**NY--VOCMS Grp1=TCL+CP-51**
**. SVOCMS Grp1=CP-51**

**Relinquished By:** _____ **Received By:** _____

**Date / Time:** 12/9/15 **Date / Time:** 12/9/15

**Storage Area:** VOA Refridgerator Room

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# DATA PACKAGE

METALS
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

**PROJECT NAME : 1660 NIAGARA STREET, BUFFALO, NY**

**LABELLA ASSOCIATES P.C.**

**300 State Street**

**Suite 201**

**Rochester, NY - 14614**

**Phone No: 585-295-6253**

**ORDER ID : G4797**

**ATTENTION : Adam Zebrowski**

DoD ELAP

Table Of Contents for G4797

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Cover Page

**Order ID :** G4797

**Project ID :** 1660 Niagara Street, Buffalo, NY

**Client :** LaBella Associates P.C.

| Lab Sample Number | Client Sample Number |
|---|---|
| G4797-01 | TPMW1 |
| G4797-02 | TPMW2 |
| G4797-03 | TPMW3 |
| G4797-04 | TRIPBLANK |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

**APPROVED**

Date: 12/26/2015

*By Mildred V Reyes, QAQC Supervisor at 4:03 pm, Dec 28, 2015*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4797**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
4 Water samples were received on 12/14/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868.The analysis of VOCMS Group1 was based on method 8260C.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD for {VN1225WBSD02} with File ID: VN029986.D recoveries met criteria except for 1,4-Dioxane[27%] .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 15% in the Initial Calibration (Method 82N122415W.M) for Chloromethane, Bromomethane, Cyclohexane, 1,4-Dioxane these compounds are passing on Linear regression .
The Continuous Calibration File ID VN029966.D met the requirements except for Acetone and 1,4-Dioxane .
The Tuning criteria met requirements.

**E. Additional Comments:**

**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature__ Mildred V Reyes ____

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 4:02 pm, Dec 28, 2015*

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4797**
**Test Name: SVOCMS Group1**

**A. Number of Samples and Date of Receipt:**
4 Water samples were received on 12/14/2015.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, SVOCMS Group1 and VOCMS Group1. This data package contains results for SVOCMS Group1.

**C. Analytical Techniques:**
The samples were analyzed on instrument BNA_F using GC Column RTX-5 which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOCMS Group1 was based on method 8270D and extraction was done based on method 3510.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF121315.M) for 2-Fluorobiphenyl this compound is passing on Quadratic regression .
The %RSD is greater than 20% in the Initial Calibration (Method 8270-BF121815.M) for Fluorene,Terphenyl-d14 these compounds are passing on Linear regression while 2-Fluorobiphenyl, Pyrene these compounds are passing on Quadratic regression .
The Continuous Calibration File ID BF083828.D met the requirements except for Benzo(k)fluoranthene but it was not detected in any samples .The Continuous Calibration File ID BF083865.D met the requirements except for Indeno(1,2,3-cd)pyrene but it was not detected in any samples .
The Tuning criteria met requirements.

**E. Additional Comments:**

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**F. Manual Integration Comments:**
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ Mildred V Reyes __

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 4:02 pm, Dec 28, 2015*

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# CASE NARRATIVE

**LaBella Associates P.C.**
**Project Name: 1660 Niagara Street, Buffalo, NY**
**Project # N/A**
**Chemtech Project # G4797**
**Test Name: Metals ICP-RCRA,Mercury**

**A. Number of Samples and Date of Receipt:**
4 Water samples were received on 12/14/2015.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, SVOCMS Group1 and VOCMS Group1. This data package contains results for Metals ICP-RCRA,Mercury.

**C. Analytical Techniques:**
The analysis of Metals ICP-RCRA was based on method 6010B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature___ Mildred V Reyes ___

**APPROVED**
*By Mildred V Reyes, QAQC Supervisor at 4:02 pm, Dec 28, 2015*

# DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** G4797

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**1st Level QA Review Signature:** DIXITA SHARMA **Date:** 12/26/2015

**2nd Level QA Review Signature:** Mildred V Reyes

**APPROVED**

*By Mildred V Reyes, QAQC Supervisor at 4:02 pm, Dec 28, 2015*

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Hit Summary Sheet
**SW-846**

**SDG No.:** G4797

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **TPMW1** | | | | | | | | |
| G4797-01 | TPMW1 | Water | Acetone | 150.00 | | 0.5 | 2.5 | 25 | ug/L |
| G4797-01 | TPMW1 | Water | Carbon Disulfide | 0.30 | J | 0.2 | 0.5 | 5 | ug/L |
| G4797-01 | TPMW1 | Water | cis-1,2-Dichloroethene | 0.48 | J | 0.35 | 0.5 | 5 | ug/L |
| | | | **Total Voc :** | 150.78 | | | | | |
| | | | **Total Concentration:** | 150.78 | | | | | |
| **Client ID:** | **TPMW2** | | | | | | | | |
| G4797-02 | TPMW2 | Water | Vinyl Chloride | 0.58 | J | 0.34 | 0.5 | 5 | ug/L |
| G4797-02 | TPMW2 | Water | Acetone | 31.40 | | 0.5 | 2.5 | 25 | ug/L |
| G4797-02 | TPMW2 | Water | Carbon Disulfide | 0.33 | J | 0.2 | 0.5 | 5 | ug/L |
| G4797-02 | TPMW2 | Water | cis-1,2-Dichloroethene | 6.10 | | 0.35 | 0.5 | 5 | ug/L |
| | | | **Total Voc :** | 38.41 | | | | | |
| | | | **Total Concentration:** | 38.41 | | | | | |
| **Client ID:** | **TPMW3** | | | | | | | | |
| G4797-03 | TPMW3 | Water | Vinyl Chloride | 33.50 | | 0.34 | 0.5 | 5 | ug/L |
| G4797-03 | TPMW3 | Water | 1,1-Dichloroethene | 0.54 | J | 0.47 | 0.5 | 5 | ug/L |
| G4797-03 | TPMW3 | Water | Acetone | 44.00 | | 0.5 | 2.5 | 25 | ug/L |
| G4797-03 | TPMW3 | Water | trans-1,2-Dichloroethene | 2.90 | J | 0.41 | 0.5 | 5 | ug/L |
| G4797-03 | TPMW3 | Water | cis-1,2-Dichloroethene | 190.00 | | 0.35 | 0.5 | 5 | ug/L |
| G4797-03 | TPMW3 | Water | Benzene | 4.70 | J | 0.32 | 0.5 | 5 | ug/L |
| | | | **Total Voc :** | 275.64 | | | | | |
| | | | **Total Concentration:** | 275.64 | | | | | |

# SAMPLE DATA

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW1 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029971.D | 1 | | 12/25/15 13:06 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 74-87-3 | Chloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 74-83-9 | Bromomethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-00-3 | Chloroethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 67-64-1 | Acetone | 150 | | 0.5 | 2.5 | 25 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.3 | J | 0.2 | 0.5 | 5 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 79-20-9 | Methyl Acetate | 2 | U | 0.2 | 2 | 5 | ug/L |
| 75-09-2 | Methylene Chloride | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 110-82-7 | Cyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 78-93-3 | 2-Butanone | 2.5 | U | 1.3 | 2.5 | 25 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.48 | J | 0.35 | 0.5 | 5 | ug/L |
| 74-97-5 | Bromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 67-66-3 | Chloroform | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.75 | U | 0.4 | 0.75 | 5 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 71-43-2 | Benzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.75 | U | 0.48 | 0.75 | 5 | ug/L |
| 79-01-6 | Trichloroethene | 0.5 | U | 0.28 | 0.5 | 5 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.5 | U | 2.1 | 2.5 | 25 | ug/L |
| 108-88-3 | Toluene | 0.5 | U | 0.37 | 0.5 | 5 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.5 | U | 0.29 | 0.5 | 5 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW1 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029971.D | 1 | | 12/25/15 13:06 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 0.5 | U | 0.38 | 0.5 | 5 | ug/L |
| 591-78-6 | 2-Hexanone | 3.8 | U | 1.9 | 3.8 | 25 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.5 | U | 0.27 | 0.5 | 5 | ug/L |
| 108-90-7 | Chlorobenzene | 0.5 | U | 0.49 | 0.5 | 5 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1 | U | 0.95 | 1 | 10 | ug/L |
| 95-47-6 | o-Xylene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 100-42-5 | Styrene | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 75-25-2 | Bromoform | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2 | U | 0.46 | 2 | 5 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 123-91-1 | 1,4-Dioxane | 100 | U | 100 | 100 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 40.5 | | 61 - 141 | | 81% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.2 | | 69 - 133 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.5 | | 65 - 126 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.9 | | 58 - 135 | | 106% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 856342 | 7.75 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1456530 | 8.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1324820 | 11.52 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 523618 | 13.47 | | | | |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW1 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029971.D | 1 | | 12/25/15 13:06 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW2 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029975.D | 1 | | 12/25/15 14:56 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 74-87-3 | Chloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.58 | J | 0.34 | 0.5 | 5 | ug/L |
| 74-83-9 | Bromomethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-00-3 | Chloroethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 67-64-1 | Acetone | 31.4 | | 0.5 | 2.5 | 25 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.33 | J | 0.2 | 0.5 | 5 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 79-20-9 | Methyl Acetate | 2 | U | 0.2 | 2 | 5 | ug/L |
| 75-09-2 | Methylene Chloride | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 110-82-7 | Cyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 78-93-3 | 2-Butanone | 2.5 | U | 1.3 | 2.5 | 25 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 6.1 | | 0.35 | 0.5 | 5 | ug/L |
| 74-97-5 | Bromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 67-66-3 | Chloroform | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.75 | U | 0.4 | 0.75 | 5 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 71-43-2 | Benzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.75 | U | 0.48 | 0.75 | 5 | ug/L |
| 79-01-6 | Trichloroethene | 0.5 | U | 0.28 | 0.5 | 5 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.5 | U | 2.1 | 2.5 | 25 | ug/L |
| 108-88-3 | Toluene | 0.5 | U | 0.37 | 0.5 | 5 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.5 | U | 0.29 | 0.5 | 5 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW2 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029975.D | 1 | | 12/25/15 14:56 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 0.5 | U | 0.38 | 0.5 | 5 | ug/L |
| 591-78-6 | 2-Hexanone | 3.8 | U | 1.9 | 3.8 | 25 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.5 | U | 0.27 | 0.5 | 5 | ug/L |
| 108-90-7 | Chlorobenzene | 0.5 | U | 0.49 | 0.5 | 5 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1 | U | 0.95 | 1 | 10 | ug/L |
| 95-47-6 | o-Xylene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 100-42-5 | Styrene | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 75-25-2 | Bromoform | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2 | U | 0.46 | 2 | 5 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 123-91-1 | 1,4-Dioxane | 100 | U | 100 | 100 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.6 | | 61 - 141 | | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.1 | | 69 - 133 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50 | | 65 - 126 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.8 | | 58 - 135 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 909656 | 7.75 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1532750 | 8.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1367080 | 11.52 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 562793 | 13.47 | | | | |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW2 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029975.D | 1 | | 12/25/15 14:56 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW3 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029976.D | 1 | | 12/25/15 15:23 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 74-87-3 | Chloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-01-4 | Vinyl Chloride | 33.5 | | 0.34 | 0.5 | 5 | ug/L |
| 74-83-9 | Bromomethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-00-3 | Chloroethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.54 | J | 0.47 | 0.5 | 5 | ug/L |
| 67-64-1 | Acetone | 44 | | 0.5 | 2.5 | 25 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 79-20-9 | Methyl Acetate | 2 | U | 0.2 | 2 | 5 | ug/L |
| 75-09-2 | Methylene Chloride | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 2.9 | J | 0.41 | 0.5 | 5 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 110-82-7 | Cyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 78-93-3 | 2-Butanone | 2.5 | U | 1.3 | 2.5 | 25 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 190 | | 0.35 | 0.5 | 5 | ug/L |
| 74-97-5 | Bromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 67-66-3 | Chloroform | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.75 | U | 0.4 | 0.75 | 5 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 71-43-2 | Benzene | 4.7 | J | 0.32 | 0.5 | 5 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.75 | U | 0.48 | 0.75 | 5 | ug/L |
| 79-01-6 | Trichloroethene | 0.5 | U | 0.28 | 0.5 | 5 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.5 | U | 2.1 | 2.5 | 25 | ug/L |
| 108-88-3 | Toluene | 0.5 | U | 0.37 | 0.5 | 5 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.5 | U | 0.29 | 0.5 | 5 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW3 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029976.D | 1 | | 12/25/15 15:23 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 0.5 | U | 0.38 | 0.5 | 5 | ug/L |
| 591-78-6 | 2-Hexanone | 3.8 | U | 1.9 | 3.8 | 25 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.5 | U | 0.27 | 0.5 | 5 | ug/L |
| 108-90-7 | Chlorobenzene | 0.5 | U | 0.49 | 0.5 | 5 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1 | U | 0.95 | 1 | 10 | ug/L |
| 95-47-6 | o-Xylene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 100-42-5 | Styrene | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 75-25-2 | Bromoform | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2 | U | 0.46 | 2 | 5 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 123-91-1 | 1,4-Dioxane | 100 | U | 100 | 100 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.3 | | 61 - 141 | | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.3 | | 69 - 133 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50 | | 65 - 126 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.4 | | 58 - 135 | | 105% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 949819 | 7.75 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1619750 | 8.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1437910 | 11.52 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 600091 | 13.47 | | | | |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW3 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029976.D | 1 | | 12/25/15 15:23 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TRIPBLANK | SDG No.: | G4797 |
| Lab Sample ID: | G4797-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029970.D | 1 | | 12/25/15 12:38 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 74-87-3 | Chloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 74-83-9 | Bromomethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-00-3 | Chloroethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 67-64-1 | Acetone | 2.5 | U | 0.5 | 2.5 | 25 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 79-20-9 | Methyl Acetate | 2 | U | 0.2 | 2 | 5 | ug/L |
| 75-09-2 | Methylene Chloride | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 110-82-7 | Cyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 78-93-3 | 2-Butanone | 2.5 | U | 1.3 | 2.5 | 25 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.5 | U | 0.35 | 0.5 | 5 | ug/L |
| 74-97-5 | Bromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 67-66-3 | Chloroform | 0.5 | U | 0.34 | 0.5 | 5 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.75 | U | 0.4 | 0.75 | 5 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 71-43-2 | Benzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.75 | U | 0.48 | 0.75 | 5 | ug/L |
| 79-01-6 | Trichloroethene | 0.5 | U | 0.28 | 0.5 | 5 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.5 | U | 0.46 | 0.5 | 5 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.5 | U | 2.1 | 2.5 | 25 | ug/L |
| 108-88-3 | Toluene | 0.5 | U | 0.37 | 0.5 | 5 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.5 | U | 0.29 | 0.5 | 5 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TRIPBLANK | SDG No.: | G4797 |
| Lab Sample ID: | G4797-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029970.D | 1 | | 12/25/15 12:38 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 79-00-5 | 1,1,2-Trichloroethane | 0.5 | U | 0.38 | 0.5 | 5 | ug/L |
| 591-78-6 | 2-Hexanone | 3.8 | U | 1.9 | 3.8 | 25 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.5 | U | 0.41 | 0.5 | 5 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.5 | U | 0.27 | 0.5 | 5 | ug/L |
| 108-90-7 | Chlorobenzene | 0.5 | U | 0.49 | 0.5 | 5 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1 | U | 0.95 | 1 | 10 | ug/L |
| 95-47-6 | o-Xylene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 100-42-5 | Styrene | 0.5 | U | 0.36 | 0.5 | 5 | ug/L |
| 75-25-2 | Bromoform | 0.5 | U | 0.47 | 0.5 | 5 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.5 | U | 0.31 | 0.5 | 5 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.5 | U | 0.43 | 0.5 | 5 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.5 | U | 0.32 | 0.5 | 5 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.5 | U | 0.45 | 0.5 | 5 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 2 | U | 0.46 | 2 | 5 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.5 | U | 0.2 | 0.5 | 5 | ug/L |
| 123-91-1 | 1,4-Dioxane | 100 | U | 100 | 100 | 100 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.3 | | 61 - 141 | | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.9 | | 69 - 133 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.6 | | 65 - 126 | | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.8 | | 58 - 135 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 883132 | 7.75 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 1488270 | 8.68 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 1297560 | 11.52 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 519512 | 13.47 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TRIPBLANK | SDG No.: | G4797 |
| Lab Sample ID: | G4797-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Moisture: | 100 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN029970.D | 1 | | 12/25/15 12:38 | VN122515 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4797 | **OrderDate:** | 12/14/2015 12:28:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | L41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4797-01** | **TPMW1** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | VOCMS Group1 | 8260C | | | 12/25/15 | |
| **G4797-02** | **TPMW2** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | VOCMS Group1 | 8260C | | | 12/25/15 | |
| **G4797-03** | **TPMW3** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | VOCMS Group1 | 8260C | | | 12/25/15 | |
| **G4797-04** | **TRIPBLANK** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | VOCMS Group1 | 8260C | | | 12/25/15 | |

CHEMTECH

## Hit Summary Sheet
**SW-846**

**SDG No.:** G4797

**Client:** LaBella Associates P.C.

| Sample ID | Client ID | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | | | | | | | | |

**Total Concentration:**

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW1 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-01 | Matrix: | Water |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 400 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083835.D | 1 | 12/15/15 11:02 | 12/16/15 01:23 | PB87315 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 208-96-8 | Acenaphthylene | 2.5 | U | 1.8 | 2.5 | 25 | ug/L |
| 83-32-9 | Acenaphthene | 2.5 | U | 0.53 | 2.5 | 25 | ug/L |
| 86-73-7 | Fluorene | 2.5 | U | 0.78 | 2.5 | 25 | ug/L |
| 85-01-8 | Phenanthrene | 2.5 | U | 0.65 | 2.5 | 25 | ug/L |
| 120-12-7 | Anthracene | 2.5 | U | 0.4 | 2.5 | 25 | ug/L |
| 206-44-0 | Fluoranthene | 2.5 | U | 1 | 2.5 | 25 | ug/L |
| 129-00-0 | Pyrene | 2.5 | U | 0.5 | 2.5 | 25 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 2.5 | U | 0.4 | 2.5 | 25 | ug/L |
| 218-01-9 | Chrysene | 2.5 | U | 0.45 | 2.5 | 25 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 2.5 | U | 0.73 | 2.5 | 25 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 2.5 | U | 0.45 | 2.5 | 25 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 2.5 | U | 0.35 | 2.5 | 25 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 2.5 | U | 0.38 | 2.5 | 25 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 2.5 | U | 1.1 | 2.5 | 25 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 2.5 | U | 0.73 | 2.5 | 25 | ug/L |
| **SURROGATES** | | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 76 | | 36 - 131 | | 76% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 74.8 | | 39 - 131 | | 75% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 71.2 | | 23 - 130 | | 71% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 103313 | 6.9 | | | | |
| 1146-65-2 | Naphthalene-d8 | 425428 | 8.19 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 184576 | 9.94 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 304665 | 11.42 | | | | |
| 1719-03-5 | Chrysene-d12 | 236580 | 14.05 | | | | |
| 1520-96-3 | Perylene-d12 | 167627 | 15.49 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW1 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-01 | Matrix: | Water |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 400 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083835.D | 1 | 12/15/15 11:02 | 12/16/15 01:23 | PB87315 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW2 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-02 | Matrix: | Water |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083836.D | 1 | 12/15/15 11:02 | 12/16/15 01:51 | PB87315 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 208-96-8 | Acenaphthylene | 1 | U | 0.7 | 1 | 10 | ug/L |
| 83-32-9 | Acenaphthene | 1 | U | 0.21 | 1 | 10 | ug/L |
| 86-73-7 | Fluorene | 1 | U | 0.31 | 1 | 10 | ug/L |
| 85-01-8 | Phenanthrene | 1 | U | 0.26 | 1 | 10 | ug/L |
| 120-12-7 | Anthracene | 1 | U | 0.16 | 1 | 10 | ug/L |
| 206-44-0 | Fluoranthene | 1 | U | 0.4 | 1 | 10 | ug/L |
| 129-00-0 | Pyrene | 1 | U | 0.2 | 1 | 10 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 1 | U | 0.16 | 1 | 10 | ug/L |
| 218-01-9 | Chrysene | 1 | U | 0.18 | 1 | 10 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 1 | U | 0.29 | 1 | 10 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 1 | U | 0.18 | 1 | 10 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 1 | U | 0.14 | 1 | 10 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1 | U | 0.15 | 1 | 10 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 1 | U | 0.42 | 1 | 10 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 1 | U | 0.29 | 1 | 10 | ug/L |
| **SURROGATES** | | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 78 | | 36 - 131 | | 78% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 88.1 | | 39 - 131 | | 88% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 76.7 | | 23 - 130 | | 77% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 98083 | 6.9 | | | | |
| 1146-65-2 | Naphthalene-d8 | 372847 | 8.19 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 153630 | 9.94 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 252616 | 11.42 | | | | |
| 1719-03-5 | Chrysene-d12 | 224831 | 14.05 | | | | |
| 1520-96-3 | Perylene-d12 | 153193 | 15.49 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW2 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-02 | Matrix: | Water |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083836.D | 1 | 12/15/15 11:02 | 12/16/15 01:51 | PB87315 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW3 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-03 | Matrix: | Water |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 890 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083837.D | 1 | 12/15/15 11:02 | 12/16/15 02:18 | PB87315 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 208-96-8 | Acenaphthylene | 1.1 | U | 0.79 | 1.1 | 11.2 | ug/L |
| 83-32-9 | Acenaphthene | 1.1 | U | 0.24 | 1.1 | 11.2 | ug/L |
| 86-73-7 | Fluorene | 1.1 | U | 0.35 | 1.1 | 11.2 | ug/L |
| 85-01-8 | Phenanthrene | 1.1 | U | 0.29 | 1.1 | 11.2 | ug/L |
| 120-12-7 | Anthracene | 1.1 | U | 0.18 | 1.1 | 11.2 | ug/L |
| 206-44-0 | Fluoranthene | 1.1 | U | 0.45 | 1.1 | 11.2 | ug/L |
| 129-00-0 | Pyrene | 1.1 | U | 0.22 | 1.1 | 11.2 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 1.1 | U | 0.18 | 1.1 | 11.2 | ug/L |
| 218-01-9 | Chrysene | 1.1 | U | 0.2 | 1.1 | 11.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 1.1 | U | 0.33 | 1.1 | 11.2 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 1.1 | U | 0.2 | 1.1 | 11.2 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 1.1 | U | 0.16 | 1.1 | 11.2 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1.1 | U | 0.17 | 1.1 | 11.2 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 1.1 | U | 0.47 | 1.1 | 11.2 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 1.1 | U | 0.33 | 1.1 | 11.2 | ug/L |
| **SURROGATES** | | | | | | | |
| 4165-60-0 | Nitrobenzene-d5 | 70.9 | | 36 - 131 | | 71% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 84.3 | | 39 - 131 | | 84% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 65.4 | | 23 - 130 | | 65% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 93792 | 6.9 | | | | |
| 1146-65-2 | Naphthalene-d8 | 354698 | 8.19 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 145163 | 9.94 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 236194 | 11.43 | | | | |
| 1719-03-5 | Chrysene-d12 | 212376 | 14.05 | | | | |
| 1520-96-3 | Perylene-d12 | 146995 | 15.49 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW3 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-03 | Matrix: | Water |
| Analytical Method: | SW8270 | % Moisture: | 100 |
| Sample Wt/Vol: | 890 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF083837.D | 1 | 12/15/15 11:02 | 12/16/15 02:18 | PB87315 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4797 | **OrderDate:** | 12/14/2015 12:28:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | L41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4797-01** | **TPMW1** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | SVOCMS Group1 | 8270D | | 12/15/15 | 12/16/15 | |
| **G4797-02** | **TPMW2** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | SVOCMS Group1 | 8270D | | 12/15/15 | 12/16/15 | |
| **G4797-03** | **TPMW3** | **Water** | | | **12/11/15** | | | **12/14/15** |
| | | | SVOCMS Group1 | 8270D | | 12/15/15 | 12/16/15 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** G4797 **Order ID:** G4797

**Client:** LaBella Associates P.C. **Project ID:** 1660 Niagara Street, Buffalo, NY

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : TPMW1** | | | | | | | | | |
| G4797-01 | TPMW1 | WATER | Barium | 39.200 | J | 4 | 12.5 | 50 | ug/L |
| G4797-01 | TPMW1 | WATER | Selenium | 14.000 | | 4.8 | 5.0 | 10 | ug/L |
| **Client ID : TPMW2** | | | | | | | | | |
| G4797-02 | TPMW2 | WATER | Arsenic | 6.530 | J | 2.5 | 2.5 | 10 | ug/L |
| G4797-02 | TPMW2 | WATER | Barium | 313.000 | | 4 | 12.5 | 50 | ug/L |
| G4797-02 | TPMW2 | WATER | Chromium | 4.940 | J | 1.1 | 1.25 | 5 | ug/L |
| G4797-02 | TPMW2 | WATER | Lead | 23.600 | | 1.5 | 1.5 | 6 | ug/L |
| G4797-02 | TPMW2 | WATER | Mercury | 0.189 | J | 0.1 | 0.1 | 0.2 | ug/L |
| G4797-02 | TPMW2 | WATER | Selenium | 11.200 | | 4.8 | 5.0 | 10 | ug/L |
| **Client ID : TPMW3** | | | | | | | | | |
| G4797-03 | TPMW3 | WATER | Barium | 783.000 | | 4 | 12.5 | 50 | ug/L |
| G4797-03 | TPMW3 | WATER | Chromium | 8.920 | | 1.1 | 1.25 | 5 | ug/L |
| G4797-03 | TPMW3 | WATER | Lead | 7.330 | | 1.5 | 1.5 | 6 | ug/L |
| G4797-03 | TPMW3 | WATER | Mercury | 0.706 | | 0.1 | 0.1 | 0.2 | ug/L |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW1 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-01 | Matrix: | WATER |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 2.5 | U | 1 | 2.5 | 2.5 | 10 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |
| 7440-39-3 | Barium | 39.2 | J | 1 | 4 | 12.5 | 50 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |
| 7440-43-9 | Cadmium | 0.75 | U | 1 | 0.5 | 0.75 | 3 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |
| 7440-47-3 | Chromium | 1.25 | U | 1 | 1.1 | 1.25 | 5 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |
| 7439-92-1 | Lead | 1.5 | U | 1 | 1.5 | 1.5 | 6 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |
| 7439-97-6 | Mercury | 0.1 | U | 1 | 0.1 | 0.1 | 0.2 | ug/L | 12/14/15 14:15 | 12/15/15 15:25 | SW7470A |
| 7782-49-2 | Selenium | 14 | | 1 | 4.8 | 5.0 | 10 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |
| 7440-22-4 | Silver | 1.25 | U | 1 | 1.25 | 1.25 | 5 | ug/L | 12/16/15 12:15 | 12/16/15 15:26 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW2 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-02 | Matrix: | WATER |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 6.53 | J | 1 | 2.5 | 2.5 | 10 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |
| 7440-39-3 | Barium | 313 | | 1 | 4 | 12.5 | 50 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |
| 7440-43-9 | Cadmium | 0.75 | U | 1 | 0.5 | 0.75 | 3 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |
| 7440-47-3 | Chromium | 4.94 | J | 1 | 1.1 | 1.25 | 5 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |
| 7439-92-1 | Lead | 23.6 | | 1 | 1.5 | 1.5 | 6 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |
| 7439-97-6 | Mercury | 0.189 | J | 1 | 0.1 | 0.1 | 0.2 | ug/L | 12/14/15 14:15 | 12/15/15 15:27 | SW7470A |
| 7782-49-2 | Selenium | 11.2 | | 1 | 4.8 | 5.0 | 10 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |
| 7440-22-4 | Silver | 1.25 | U | 1 | 1.25 | 1.25 | 5 | ug/L | 12/16/15 12:15 | 12/16/15 15:30 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 12/11/15 |
| Project: | 1660 Niagara Street, Buffalo, NY | Date Received: | 12/14/15 |
| Client Sample ID: | TPMW3 | SDG No.: | G4797 |
| Lab Sample ID: | G4797-03 | Matrix: | WATER |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOD | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 2.5 | U | 1 | 2.5 | 2.5 | 10 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |
| 7440-39-3 | Barium | 783 | | 1 | 4 | 12.5 | 50 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |
| 7440-43-9 | Cadmium | 0.75 | U | 1 | 0.5 | 0.75 | 3 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |
| 7440-47-3 | Chromium | 8.92 | | 1 | 1.1 | 1.25 | 5 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |
| 7439-92-1 | Lead | 7.33 | | 1 | 1.5 | 1.5 | 6 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |
| 7439-97-6 | Mercury | 0.706 | | 1 | 0.1 | 0.1 | 0.2 | ug/L | 12/14/15 14:15 | 12/15/15 15:29 | SW7470A |
| 7782-49-2 | Selenium | 5 | U | 1 | 4.8 | 5.0 | 10 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |
| 7440-22-4 | Silver | 1.25 | U | 1 | 1.25 | 1.25 | 5 | ug/L | 12/16/15 12:15 | 12/16/15 15:34 | SW6010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | METALS RCRA | | | | |

U = Not Detected
LOQ = Limit of Quantitation
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OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922



# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | G4797 | **OrderDate:** | 12/14/2015 12:28:00 PM |
| **Client:** | LaBella Associates P.C. | **Project:** | 1660 Niagara Street, Buffalo, NY |
| **Contact:** | Adam Zebrowski | **Location:** | L41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **G4797-01** | **TPMW1** | **WATER** | | | **12/11/15** | | | **12/14/15** |
| | | | Mercury | 7470A | | 12/14/15 | 12/15/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/16/15 | 12/16/15 | |
| **G4797-02** | **TPMW2** | **WATER** | | | **12/11/15** | | | **12/14/15** |
| | | | Mercury | 7470A | | 12/14/15 | 12/15/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/16/15 | 12/16/15 | |
| **G4797-03** | **TPMW3** | **WATER** | | | **12/11/15** | | | **12/14/15** |
| | | | Mercury | 7470A | | 12/14/15 | 12/15/15 | |
| | | | Metals ICP-RCRA | 6010B | | 12/16/15 | 12/16/15 | |

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. G4797
QUOTE NO.
COC Number 036447

8.1

**CLIENT INFORMATION** (REPORT TO BE SENT TO:)

COMPANY: LaBella Associates DPC
ADDRESS: 300 Pearl St. Suite 130
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Adam Zebrowski
PHONE: 716-551-6281 FAX: 716-551-6285

**CLIENT PROJECT INFORMATION**

PROJECT NAME: Buffalo Niagara Riverkeeper
PROJECT NO.: 2151177 LOCATION: Buffalo, NY
PROJECT MANAGER: Adam Zebrowski
e-mail: azebrowski@labellapc.com
PHONE: FAX:

**CLIENT BILLING INFORMATION**

BILL TO: LaBella PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: Adam Z. PHONE:

**DATA TURNAROUND INFORMATION**

FAX: DAYS *
HARD COPY: DAYS *
EDD: Standard DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

**DATA DELIVERABLE INFORMATION**

☒ LEVEL 1: Results only ☐ Others
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

**ANALYSIS**

1 TCL VOC's 8260
2 CP-51 VOC's 8260
3 CP-51 SVOC's 8270
4 RCRA Metals CVAA 7470
5
6
7
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TPMW1 | GW | | X | 12-11-15 | 14:45 | 4 | X | X | X | X | | | | TPMW1 - Limited volume!!! - only 50ml for CP-51 SVOC, analysis approved | |
| 2. | TPMW2 | GW | | X | 12-11-15 | 12:30 | 4 | X | X | X | X | | | | | |
| 3. | TPMW3 | GW | | X | 12-11-15 | 10:45 | 4 | X | X | X | X | | | | | |
| 4. | Trip Blank | | | | | | | X | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

PRESERVATIVES: A A B

**COMMENTS** ← Specify Preservatives
A – HCl B – $HNO_3$
C – $H_2SO_4$ D – NaOH
E – ICE F – Other

- Test for filtered metals on TPMW1 from 1-liter amber non-preserved

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY**

| RELINQUISHED BY SAMPLER: | DATE/TIME | RECEIVED BY: |
|---|---|---|
| 1. | 12-11-15 16:00 | 1. |
| RELINQUISHED BY: 2. | DATE/TIME: | RECEIVED BY: 2. |
| RELINQUISHED BY: 3. FedEx | DATE/TIME: 10:18 12-14-15 | RECEIVED FOR LAB BY: 3. |

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 6° C
Ice In Cooler?: Yes

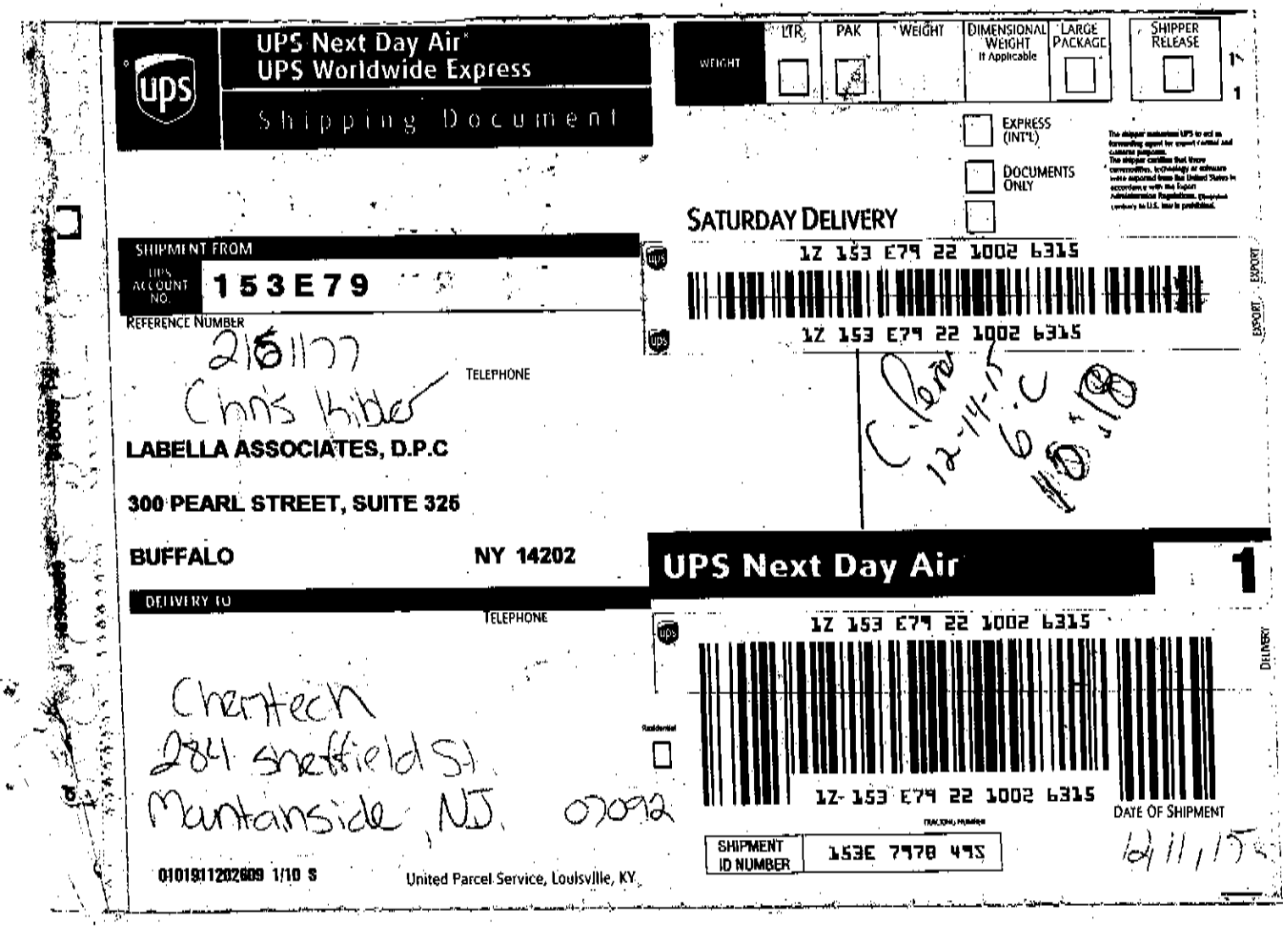
Page _____ of _____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☑ YES ☐ NO

Revision 6/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



UPS Next Day Air
UPS Worldwide Express
Shipping Document

WEIGHT | LTR | PAK | WEIGHT | DIMENSIONAL WEIGHT If Applicable | LARGE PACKAGE | SHIPPER RELEASE

EXPRESS (INT'L)
DOCUMENTS ONLY

SATURDAY DELIVERY

1Z 153 E79 22 1002 6315

SHIPMENT FROM
UPS ACCOUNT NO. 153E79

REFERENCE NUMBER
215177

TELEPHONE
Chris Kibler

LABELLA ASSOCIATES, D.P.C

300 PEARL STREET, SUITE 325

BUFFALO NY 14202

DELIVERY TO

TELEPHONE

Chemtech
284 Sheffield St.
Mountainside, NJ 07092

UPS Next Day Air 1

1Z 153 E79 22 1002 6315

1Z 153 E79 22 1002 6315

SHIPMENT ID NUMBER 153E 7978 495

DATE OF SHIPMENT 12/11/15

0101911202609 1/10 S

United Parcel Service, Louisville, KY

CHEMTECH 284 Sheffield Street Mountainside NJ 07092 Tel. 908-7898900

# Laboratory Certification

| State | License No. |
|---|---|
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Connecticut | PH-0649 |
| | |
| Florida | E87935 |
| | |
| Louisiana | 5035 |
| | |
| Maryland | 296 |
| | |
| Massachusetts | M-NJ503 |
| | |
| Pennsylvania | 68-548 |
| | |
| Rhode Island | LAO00259 |
| | |
| Virginia | 460220 |
| | |
| Texas | T10470448-10-1 |

Other :

| | |
|---|---|
| DOD ELAP Certified (L-A-B Accredited), ISO/IEC 17025 | L2219 |
| | |
| Soil Permit | P330-11-00012 |
| | |
| CLP Inorganic Contract | EPW09038 |
| | |
| CLP Organic Contract | EPW11030 |

QA Control Code: A2070148

# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | G4797 LABE01 | **Order Date:** | 12/14/2015 | **Project Mgr:** | karen |
| **Client Name:** | LaBella Associates P.C. | **Project Name:** | 1660 Niagara Street, Buffalo, N | **Report Type:** | Level 1 |
| **Client Contact:** | Adam Zebrowski | **Rec DateTime** | 12/14/2015 10:18:00 A | **EDD:** | EXCEL NOCLEANUP |
| **Invoice Name:** | LaBella Associates P.C. | **Purchase Order:** | LaBella #2151177 | **Hard Copy Date:** | |
| **Invoice Contact** | Adam Zebrowski | **Login Tech:** | KANDARP | **Date Signoff:** | 12/14/2015 1:18:30 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G4797-01 | TPMW1 | Water | 12/11/2015 | 14:45 | 4 | | | | | | |
| | | | | | | VOCMS | Group1 | 8260C | RCRA metals samples submitted in amber jar, unpreserved. Needs to be lab filtered | 10 Bus. 2/25/2015 | 12/25/2 |
| G4797-02 | TPMW2 | Water | 12/11/2015 | 12:30 | 4 | | | | | | |
| | | | | | | VOCMS | Group1 | 8260C | | 10 Bus. 2/25/2015 | 12/25/2 |
| G4797-03 | TPMW3 | Water | 12/11/2015 | 10:45 | 4 | | | | | | |
| | | | | | | VOCMS | Group1 | 8260C | | 10 Bus. 2/25/2015 | 12/25/2 |
| G4797-04 | TRIPBLANK | Water | 12/11/2015 | 0:00 | 2 | | | | | | |
| | | | | | | VOCMS | Group1 | 8260C | TB | 10 Bus. 2/25/2015 | 12/25/2 |

# LOGIN REPORT/SAMPLE TRANSFER

| | | | | | |
|---|---|---|---|---|---|
| **Order ID:** | G4797 LABE01 | **Order Date:** | 12/14/2015 | **Project Mgr:** | karen |
| **Client Name:** | LaBella Associates P.C. | **Project Name:** | 1660 Niagara Street, Buffalo, N | **Report Type:** | Level 1 |
| **Client Contact:** | Adam Zebrowski | **Rec DateTime** | 12/14/2015 10:18:00 A | **EDD:** | EXCEL NOCLEANUP |
| **Invoice Name:** | LaBella Associates P.C. | **Purchase Order:** | LaBella #2151177 | **Hard Copy Date:** | |
| **Invoice Contact** | Adam Zebrowski | **Login Tech:** | KANDARP | **Date Signoff:** | 12/14/2015 1:18:30 PM |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | QTY | TEST | TEST GROUP | METHOD | COMMENT | FAX DATE | Due Dates |
|---|---|---|---|---|---|---|---|---|---|---|---|

## SAMPLE CONDITION RECORD

| | |
|---|---|
| Are samples submitted with a chain of custody? | Yes |
| Are the number of samples the same as stated on the chain of custody? | Yes |
| Are bottle caps tight and securely in place? | Yes |
| Were all containers intact when received? | Yes |
| Were samples submitted in an ice chest? | Yes |
| Were samples received cold? | Yes |
| Were samples within the holding time for the requested test(s)? | Yes |
| Is the volume of sample submitted sufficient for the requested test(s)? | NA |
| Are all samples for volatile organic analyses free of headspace? | Yes |

**Relinguished By:** CP

**Date / Time:** 2:41 12-14-15

**Received By:**

**Date / Time:** 12/14/15

**Storage Area:** VOA Refridgerator Room

## ORDER COMMENT

**NY--**
**VOCMS Grp1=TCL incl. of CP-51--**
**SVOCMS Grp1=CP-51--**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-91591-1
Client Project/Site: Buffalo Niagara Riverkeeper

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Adam Zebrowski

*Authorized for release by:*
*11/25/2015 6:12:06 PM*
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

# Table of Contents

# Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

## Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|---|---|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CNF | Contains no Free Liquid |
| DER | Duplicate error ratio (normalized absolute difference) |
| Dil Fac | Dilution Factor |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample |
| DLC | Decision level concentration |
| MDA | Minimum detectable activity |
| EDL | Estimated Detection Limit |
| MDC | Minimum detectable concentration |
| MDL | Method Detection Limit |
| ML | Minimum Level (Dioxin) |
| NC | Not Calculated |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) |
| PQL | Practical Quantitation Limit |
| QC | Quality Control |
| RER | Relative error ratio |
| RL | Reporting Limit or Requested Limit (Radiochemistry) |
| RPD | Relative Percent Difference, a measure of the relative difference between two points |
| TEF | Toxicity Equivalent Factor (Dioxin) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |

# Case Narrative

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

## Job ID: 480-91591-1

### Laboratory: TestAmerica Buffalo

**Narrative**

**Job Narrative**
**480-91591-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 11/21/2015 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

**GC Semi VOA**
Method(s) 310.13: The following samples contained a petroleum product which most closely resembles Gasoline: TANK A (480-91591-1) and TANK B (480-91591-2).

Method(s) 310.13: The following samples were diluted to bring the concentration of target analytes within the calibration range: TANK A (480-91591-1) and TANK B (480-91591-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

**Organic Prep**
Method(s) 3510C: Elevated reporting limits are provided for the following samples due to insufficient sample provided for preparation: TANK A (480-91591-1) and TANK B (480-91591-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

## Client Sample ID: TANK A

**Lab Sample ID: 480-91591-1**
**Date Collected: 11/18/15 10:15**
**Matrix: Water**
**Date Received: 11/21/15 09:20**

### Method: 310.13 - Identification of Routine Petroleum Products

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline** | **8200** | | 230 | 230 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |
| Kerosene | ND | | 580 | 580 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |
| Motor Oil | ND | | 1200 | 1200 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |
| Fuel Oil #2 | ND | | 580 | 580 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |
| Fuel Oil #4 | ND | | 580 | 580 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |
| Fuel Oil #6 | ND | | 580 | 580 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |
| Unknown Hydrocarbons | ND | | 230 | 230 | mg/L | | 11/24/15 08:23 | 11/25/15 11:39 | 200 |

## Client Sample ID: TANK B

**Lab Sample ID: 480-91591-2**
**Date Collected: 11/18/15 10:30**
**Matrix: Water**
**Date Received: 11/21/15 09:20**

### Method: 310.13 - Identification of Routine Petroleum Products

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Gasoline** | **2200** | | 200 | 200 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |
| Kerosene | ND | | 500 | 500 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |
| Motor Oil | ND | | 1000 | 1000 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |
| Fuel Oil #2 | ND | | 500 | 500 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |
| Fuel Oil #4 | ND | | 500 | 500 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |
| Fuel Oil #6 | ND | | 500 | 500 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |
| Unknown Hydrocarbons | ND | | 200 | 200 | mg/L | | 11/24/15 08:23 | 11/25/15 12:13 | 200 |

# Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

## Client Sample ID: TANK A
**Date Collected: 11/18/15 10:15**
**Date Received: 11/21/15 09:20**

## Lab Sample ID: 480-91591-1
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3510C | | | 276635 | 11/24/15 08:23 | RMZ | TAL BUF |
| Total/NA | Analysis | 310.13 | | 200 | 276916 | 11/25/15 11:39 | JMO | TAL BUF |

## Client Sample ID: TANK B
**Date Collected: 11/18/15 10:30**
**Date Received: 11/21/15 09:20**

## Lab Sample ID: 480-91591-2
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|---|---|---|---|---|---|---|---|---|
| Total/NA | Prep | 3510C | | | 276635 | 11/24/15 08:23 | RMZ | TAL BUF |
| Total/NA | Analysis | 310.13 | | 200 | 276916 | 11/25/15 12:13 | JMO | TAL BUF |

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Certification Summary

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

## Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|---|---|---|---|---|
| New York | NELAP | 2 | 10026 | 03-31-16 |

# Method Summary

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

| Method | Method Description | Protocol | Laboratory |
|---|---|---|---|
| 310.13 | Identification of Routine Petroleum Products | NYASP | TAL BUF |

**Protocol References:**

NYASP = New York Analytical Services Protocol

**Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

# Sample Summary

Client: LaBella Associates DPC
Project/Site: Buffalo Niagara Riverkeeper

TestAmerica Job ID: 480-91591-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 480-91591-1 | TANK A | Water | 11/18/15 10:15 | 11/21/15 09:20 |
| 480-91591-2 | TANK B | Water | 11/18/15 10:30 | 11/21/15 09:20 |

# Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-91591-1

**Login Number: 91591**
**List Number: 1**
**Creator: Janish, Carl M**

**List Source: TestAmerica Buffalo**

| Question | Answer | Comment |
|---|---|---|
| Radioactivity either was not measured or, if measured, is at or below background | True | |
| The cooler's custody seal, if present, is intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the sample IDs on the containers and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | False | ~50ML FOR EACH SAMPLE |
| Sample Preservation Verified | True | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | False | LIMITED VOLUME |
| VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter. | True | |
| If necessary, staff have been informed of any short hold time or quick TAT needs | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Sampling Company provided. | True | labella |
| Samples received within 48 hours of sampling. | False | |
| Samples requiring field filtration have been filtered in the field. | N/A | |
| Chlorine Residual checked. | N/A | |

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO.
COC Number 029415

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LaBella Associates, PC
ADDRESS: 300 Pearl Street, Suite 320
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Chris Hibbs
PHONE: 716-551-6281 FAX: 716-551-6282

### CLIENT PROJECT INFORMATION

PROJECT NAME: Buffalo Niagara Riverkeeper
PROJECT NO.: 2151177 LOCATION: Buffalo, NY
PROJECT MANAGER: Adam Zebrowski
e-mail: azebrowski@labellapc.com
PHONE: 716-551-6281 FAX: 716-551-6282

### CLIENT BILLING INFORMATION

BILL TO: LaBella Associates PO#: 2151177
ADDRESS: 300 Pearl Street
CITY: Buffalo STATE: NY ZIP: 14202
ATTENTION: Adam Z. PHONE: 716-551-6281

### DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: Standard - 10 DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

☒ LEVEL 1: Results only ☐ Others _____
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format: _____

### ANALYSIS

1,4 DOH 310-145

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Tank A | | | X | 11-18-15 | 10:15 | 1 | X | | | | | | | | | Hold |
| 2. | Tank B | | | X | 11-18-15 | 10:30 | 1 | X | | | | | | | | | Hold |
| 3. | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

← Specify Preservatives
A – HCl B – $HNO_3$
C – $H_2SO_4$ D – NaOH
E – ICE F – Other

480-91591 Chain of Custody

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| | RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|---|
| 1. | | 11-18-15/6pm | 11/24/15 0920 |
| 2. | RELINQUISHED BY: | DATE/TIME: | RECEIVED BY: |
| 3. | RELINQUISHED BY: UPS | DATE/TIME: 10:20 11-20-15 | RECEIVED FOR LAB BY: |

Conditions of bottles or coolers at receipt: ☑ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments: Temp 3.0 #1 ICE
Cooler Temp. 3°C
Ice in Cooler?: Y/S

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT
Shipment Complete: ☑ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

# Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

| | | | |
|---|---|---|---|
| Client: LaBella Associates, DPC | Project Manager: Adam Zebrowski | Date: 11-20-15 | Chain of Custody Number: 198882 |
| Address: 300 Pearl Street, Suite 130 | Telephone Number (Area Code)/Fax Number: 716-551-6281 | Lab Number: Buffalo | Page 1 of 1 |
| City: Buffalo / State: NY / Zip Code: 14202 | Site Contact: Chris Kibler | Lab Contact: Terry B. | |
| Project Name and Location (State): Buffalo River Cages, Buffalo, NY | Carrier/Waybill Number: UPS | | |
| Contract/Purchase Order/Quote No. | | | |

| Sample I.D. No. and Description (Containers for each sample may be combined on one line) | Date | Time | Matrix: Air | Aqueous | Sed. | Soil | Containers & Preservatives: Unpres. | H2SO4 | HNO3 | HCl | NaOH | ZnAc/ NaOH | Analysis (Attach list if more space is needed): 310-13 | Special Instructions/ Conditions of Receipt |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tank A | 11-18-15 | 10:15 | | X | | | X | | | | | | X | |
| Tank B | 11-18-15 | 10:30 | | X | | | X | | | | | | X | |

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| 1. Relinquished By: [signature] | 11-18-15 | 6pm | 1. Received By: UPS | | |
| 2. Relinquished By: UPS | 11/20/15 | 10:20 | 2. Received By: Chemtech [signature] 5° | 11-20-15 | 10:20 |
| 3. Relinquished By: Chemtech | | | 3. Received By: UPS (for Saturday delivery) | | |

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy