Remedial Investigation Work Plan

Location:

11075 Walden Avenue
Alden, New York 14004
BCP #C915333

Prepared for:

Walden Realty Limited Partnership/ Doritex Corp.
11980 Walden Avenue
Alden, New York

LaBella Project No. 2180605

November 28, 2018

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1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) is pleased to submit this Remedial Investigation Work Plan (RIWP) to conduct additional investigation at 11075 Walden Avenue, Town of Alden, Erie County, New York, herein after referred to as the "Site." The Site is applying to enter into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) (BCP Site #C915333). A Site Location Map is included as Figure 1. LaBella is submitting this RIWP on behalf of Walden Realty Limited Partnership and Doritex Corp. (collectively, the "Participant") to further define the nature and extent of contamination at the Site.

Information gathered from previous investigations has identified the presence of chlorinated solvent volatile organic compounds (cVOCs) impact at the Site. Implementation of this RIWP will support existing information and fill in data gaps to rule out the presence of other contaminants (i.e. polychlorinated biphenyls (PCBs), pesticides, herbicides, polyfluoroalkyl substances (PFAS), 1.4-dioxane, etc.) and to identify the extent to which remediation is warranted. The activities in this RIWP will be carried out in accordance with the NYSDEC's Department of Environmental Remediation (DER)-10 (*Technical Guidance for Site Investigation and Remediation)* issued May 3, 2010.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description and Surrounding Properties

The Site consists of one tax parcel (SBL #96.00-4-6.2) totaling 2.94± acres. The Site is located in a suburban area in the Town of Alden located south of Walden Avenue and west of Commerce Drive. Figure 2 illustrates the location and boundaries of the current tax parcel configuration associated with the Site. Current Site features include one, single-story 34,858 square foot vacant commercial building (Site Building) on the central portion of the Site. Exterior areas include green space immediately to the north, west and south of the Site Building, a two-story residence and auto care business farther to the north across Walden Avenue, an asphalt-paved parking areas to the east and south of the Site Building, and commercial buildings farther to the east across Commerce Drive.

2.2 Site History

The Site consisted of undeveloped land from at least 1880 to at least 1951 and agricultural land from at least 1938 to at least 1951. The Site appears to have been developed with the original portion of the Site Building in at least 1964. The Site was historically utilized as a commercial laundry facility, including dry cleaning, from at least 1988 (potentially as early as the 1970s by others) through 2006. It should be noted that the Site was listed within the Federal Drycleaners, Resource Conservation and Recovery Act Generator, and Aerometric Information Retrieval System's programs associated with the dry cleaning operations. The Site also reportedly utilized a septic system prior to the mid-1980s. Floor drains noted throughout the Site Building may have previously discharged to an on-site septic system. Furthermore, former on-site operations reportedly included printing. Although available resources to date were consulted, the use of the Site Building in the 1960s is unknown. Adjacent properties have been historically utilized agriculturally and commercially.

2.3 Site Geology and Hydrogeology

According to the USDA Erie County Soil Survey, soils at the Site consist mainly of Kendaia silt loam. Soils of this type are characterized by silt loam, gravelly silt loam and gravelly loam and are generally considered to be somewhat poorly drained soil. Based on the results of LaBella's December 4, 2017 Phase II Environmental Site Assessment (ESA) report, a concrete slab was encountered to 0.6 feet below the ground surface (ft bgs) followed by a gravel sub-base beneath it to a depth of one ft bgs within the Site Building. Non-native materials included asphalt-paved surface material and sub-base gravel to depths ranging from 0.3 to 0.6 ft bgs were encountered in select exterior areas of the Site. In addition, a fill layer consisting of brown silty clay intermingled with trace gravel, rock and concrete was encountered to depths ranging from one to two ft bgs proximate the Site Building foundation areas. Native soils generally consisted of brown-red to brown-gray clayey silts typical of outwash plains and alluvial fans to a depth of 16 ft bgs throughout the Site. Depth to groundwater has been measured at the Site between four and ten ft bgs. Bedrock beneath the Site is reported to consist of Marcellus Formation black shale, limestone and sandstone, dating from the Middle Devonian period.

3.0 PREVIOUS INVESTIGATIONS

The RIWP scope of work was developed utilizing the results of LaBella's December 4, 2017 Supplemental Phase II ESA Report as summarized below:

- cVOC-impacted soil has been identified located beneath the west central portion of the Site Building.
- Soil vapor intrusion sampling conducted within the Site Building identified cVOCs in both indoor air and sub-slab soil vapor samples at concentrations requiring mitigation when compared to New York State Department of Health (NYSDOH) Soil Vapor Intrusion guidance. The source of the impact appears to be related to historical dry-cleaning operations conducted within the Site Building, specifically a dry cleaning machine which was historically located proximate the subsurface impact identified.
- Acetone was identified above NYSDEC Division of Water Technical and Operations Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards in groundwater samples collected from five of the nine temporary groundwater monitoring wells installed at the Site, including at the perimeter.

4.0 STANDARDS, CRITERIA AND GUIDANCE

This section identifies the Standards, Criteria and Guidance (SCGs) for the Site. The SCGs identified are used to quantify the extent of contamination at the Site requiring remedial work based on the cleanup goal. The SCGs to be utilized as part of the implementation of this RIWP are identified below:

Soil SCGs: The following SCGs for soil were used in developing this RIWP:

- NYSDEC Part 375 Commercial-Use Soil Cleanup Objectives (SCOs).

Groundwater SCGs: The following SCGs for groundwater were used in developing this RIWP:

- NYSDEC TOGS 1.1.1.

5.0 OBJECTIVES AND RATIONALE

The objective of the RI is to further evaluate the nature and extent of cVOC-impact to soil, soil vapor, and groundwater at the Site as identified during previous investigations (refer to Section 3.0). Implementation of this RIWP will support existing information and fill in data gaps to rule out the presence of other contaminants (i.e. PCBs, pesticides, herbicides, PFAS, 1.4-dioxane, etc.) and to identify the extent to which remediation is warranted. In addition, the BCP general requirements (e.g., "full suite" testing, quality assurance/quality control (QA/QC), etc.) will also be fulfilled. The RI work will be substantially completed to the NYSDEC's satisfaction before the Interim Remedial Measures Work Plan (IRMWP) is implemented, and the NYSDEC's written approval will be obtained prior to implementation of the IRMWP.

5.1 Areas of Concern

Based on the December 4, 2017 Supplemental Phase II report, the following areas of concern (AOCs) have been identified at the Site:

AOC #1: Impacted Soil Vapor

Sub-slab soil vapor samples collected from beneath the concrete slab of the Site Building identified a soil vapor intrusion concern within the Site Building. Soil vapor sampling will be conducted during the RI proximate the Site boundary to evaluate soil vapor conditions in these areas. In addition, a sub-slab depressurization system (SSDS) will be installed within the Site Building and will be completed within the scope of the IRMWP.

AOC #2: Impacted Soil

Solvent-type odors and elevated photo ionization detector (PID) readings were encountered within soil borings advanced beneath the reported former location of a dry cleaning machine which was historically located within the west central portion of the Site Building. Several elevated concentrations of cVOCs (cis – 1,2- dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, and trichloroethene) were identified amongst the soil samples collected from SB-14, SB-17, SB-18 and SB-23 through SB-26 with total VOC concentrations ranging from 176.7 micrograms per kilogram (µg/kg) to 198,741.99 µg/kg (refer to Table 1). The surface and subsurface conditions at the Site will be further evaluated during the RI. In addition, excavation of this cVOC-impacted soil will be completed within the scope of the IRMWP.

AOC #3: Impacted Groundwater

Acetone with an apparent off-site origin was identified exceeding NYSDEC TOGS within five groundwater samples collected and submitted for analysis from MW-2, MW-4, MW-5, MW-6 and MW-7. At the request of the NYSDEC, further investigation of on-site groundwater will be completed during the RI to further evaluate groundwater conditions and flow direction at the Site. It should be noted that no other cVOCs have been detected in groundwater samples collected from the Site at concentrations exceeding NYSDEC TOGS.

6.0 REMEDIAL INVESTIGATION SCOPE

The proposed RI field activities to be completed as part of this work plan have been separated into tasks and are presented in this section. Some limited follow-up soil analysis will also be completed with respect to portions of AOC #1 and AOC #2 as part of the IRM conducted at the Site as discussed in the IRMWP. Prior to implementation of the RI field activities, a Dig Safely New York stakeout will be conducted at the Site to locate any subsurface utilities in the areas where subsurface activities will take place.

A list with contact information for the anticipated personnel involved with the project is included in Appendix 2. Qualifications for the personnel are also included. Additionally, a BCP Site contact list is included as Appendix 3.

6.1 Remedial Investigation Tasks

The RI Field Plan is detailed below:

Task 1: Soil Vapor- This task is proposed to assess the soil vapor conditions proximate the boundary of the Site.

Task 2: Surface Soil Investigation- This task is proposed to assess surface soil conditions throughout the Site.

Task 3: Soil Boring and Groundwater Investigation- This task is proposed to further assess the subsurface soil and groundwater conditions across exterior areas of the Site for all Target Compound List analytes and to fill in data gaps to rule out the presence of other contaminants (i.e. PCBs, pesticides, herbicides, PFAS, 1.4-dioxane, etc.), and to assist in determining groundwater flow direction at the Site in order to evaluate the source of the Acetone detected in on-site groundwater samples.

QA/QC samples will also be collected and analyzed [e.g., trip blank, duplicate sample, matrix spike/ matrix spike duplicate (MS/MSD), equipment rinsate blank]. The specific QA/QC program is detailed in Section 6.4. The samples will be delivered under chain of custody procedures to an Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. The laboratory will provide a NYSDEC Analytical Services Protocol (ASP) Category B Deliverables data package and a Data Usability Summary Report (DUSR) will be completed by a third-party data validator.

A summary of the proposed sampling locations and analysis is included in Table 6.1 – 1 below.

Table 6.1-1: Proposed Sample Location and Analysis Summary

Investigation Task	Number of Samples	Media	Depth	Analysis	QA/QC	Rationale
Soil Vapor Probes	Four	Soil Vapor	Variable	• VOCs by TO-15	•None	Access soil vapor conditions on the perimeter boundary of the Site.

Investigation Task	Number of Samples	Media	Depth	Analysis	QA/QC	Rationale
Surface Soil Samples	Five	Soil	0-0.5 ft bgs	• Target compound list (TCL) semi-volatile organic compounds (SVOCs) by 8270 • Target Analyte List (TAL) metals by 6010/7471 • PCBs by 8082 • Pesticides by 8081 • Herbicides by 8151	•One Field Duplicate •One MS/MSD •One Trip Blank	Assess surface soil conditions at the Site.
Subsurface soil from Soil Borings	Six	Soil	0-16 ft bgs	• TCL plus NYSDEC Commissioner Policy (CP) – 51 VOCs by 8260 • TCL SVOCs by 8270 • TAL metals by 6010/7471 • PCBs by 8082 • Pesticides by 8081 • Herbicides by 8151		Assess subsurface soil conditions at the Site.
Groundwater from Permanent Monitoring Wells	Five	Groundwater	16 ft bgs	• TCL plus NYSDEC CP-51 VOCs by 8260 • TCL SVOCs by 8270 • TAL metals by 6010/7471 • PCBs by 8082 • Pesticides by 8081 • Herbicides by 8151	•One Field Duplicate •One MS/MSD •One Trip Blank •One Equipment Rinsate Blank (PFOA/PFOS and 1,4-Dioxane only)	Assess nature and extent of groundwater impacts at the Site.
	Two			• Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS) by 537 • 1,4-Dioxane by 8270		

6.1.1 Task 1: Soil Vapor Probes

This task will involve the installation of four soil vapor probes proximate the Site boundary to assess soil vapor conditions. The proposed soil vapor probe locations are depicted on Figure 6. This work will be completed in accordance with NYSDEC DER-10, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) and the Quality Control Plan (QCP) included as Appendix 5. The following methods will be utilized during the soil vapor probe investigation:

- Soil vapor implants will be installed utilizing a Geoprobe system® to reach the desired depths or at least one foot above the water table in areas where the groundwater table is less than six ft bgs.
- Implants will be fitted with polyethylene tubing of the appropriate size and of laboratory or food grade quality to the surface.

- Porous, inert backfill material (e.g. glass beads, washed #1 crushed stone) will be used to create a sampling zone of one to two feet in length.
- Soil vapor probes will be sealed above the sampling zone with a bentonite slurry for a minimum of three feet to prevent outdoor air infiltration and the remainder of the borehole backfilled with clean material.
- In an effort to minimize infiltration of water or outdoor air and to prevent accidental damage, a protective casing will be set around the top of each probe tubing. A tracer gas test will be conducted to insure adequate seals have been created at each soil vapor sampling point.
- Samples will be collected using conventional sampling methods and analyzed for VOCs by USEPA Method TO-15. Such includes purging of one to three implant volumes (i.e., the volume of the sample probe and tube) prior to sample collection.

6.1.2 Task 2: Surface Soil Investigation

This task will involve the collection of five surface soil samples throughout exterior areas of the Site to access surface soil conditions. The surface soil samples will be collected manually to a depth ranging between approximately 0-0.5 ft bgs. The proposed surface soil locations are depicted on Figure 6. This work will be completed in accordance with NYSDEC DER-10 as well as the Quality Control Plan (QCP) included as Appendix 5. The following methods will be utilized during the surface soil investigation:

- A hand auger or spade will be utilized to manually collect surface soil samples. The hand auger will be properly decontaminated prior to sampling and between sampling locations using an Alconox and water solution.
- Surface soil samples retrieved will be screened in the field for visible impairment, olfactory indications of impairment, and/or indication of detectable VOCs with a PID, collectively referred to as “evidence of impairment.”
- Surface soil samples will be collected from each location and analyzed for the following parameters:
    - TCL SVOCs by USEPA Method 8270
    - TAL Metals by USEPA Method 6010/7471
    - PCBs by USEPA Method 8082
    - Pesticides by USEPA Method 8081
    - Herbicides by USEPA Method 8151

6.1.3 Task 3: Soil Boring and Groundwater Investigation

This task will involve the advancement of 15 soil borings across exterior areas of the Site to further assess the subsurface conditions at the Site, with five converted to new groundwater quality monitoring wells. The soil borings will be advanced to a maximum depth of approximately 16 ft bgs. The proposed soil boring locations are depicted on Figure 6. This work will be completed in accordance with NYSDEC DER-10 as well as the Quality Control Plan (QCP) included as Appendix 5. The following methods will be utilized during the soil boring investigation.

- Soil borings will be advanced utilizing a Geoprobe system® to reach the desired depths.
- Soils retrieved from the soil borings will be continuously screened in the field for visible impairment, olfactory indications of impairment, and/or indication of detectable VOCs with a PID, collectively referred to as “evidence of impairment.”

- Upon completion of soil boring activities, the removed materials will be returned to the soil borings from which they originated.
- Equipment will be decontaminated prior to commencing with soil boring activities and between soil boring locations using an alconox and water solution.
- Six subsurface soil samples will be selected from amongst the 15 soil borings advanced throughout the Site based on field observations (i.e. odors, staining, PID measurements) and analyzed for the following parameters:
    - TCL plus NYSDEC CP-51 VOCs by USEPA Method 8260
    - TCL SVOCs by USEPA Method 8270
    - TAL Metals by USEPA Method 6010/7471
    - PCBs by USEPA Method 8082
    - Pesticides by USEPA Method 8081
    - Herbicides by USEPA Method 8151

This task will also involve the installation of a total of five 2-inch permanent groundwater monitoring wells; four wells next to previously installed monitoring wells (MW-2, MW-6, MW-7, and MW-8) on the north and central portions of the Site, and one 2-inch permanent monitoring well on the south portion of the Site to an average depth of 16 ft bgs. Groundwater samples will be collected from each new permanent groundwater monitoring well to further assess the groundwater conditions across the Site, to assist in determining groundwater flow direction at the Site and to attempt to evaluate whether the identified Acetone detected in on-site groundwater samples is from an off-site source. The proposed monitoring well locations are depicted on Figure 6. This work will be completed in accordance with NYSDEC DER-10 as well as the Quality Control Plan (QCP) included as Appendix 5. The following methods will be utilized during the groundwater investigation:

- The 2-inch wells will be constructed using a 5-ft. to 10-ft. long 0.010-inch slotted PVC well screen finished with a PVC riser to an appropriate elevation above the ground surface. The screened section will be placed to intersect the water table as observed in the soil boring. The annulus will be filled with sand to approximately 1 to 2 feet above the top of the screen, and filled with bentonite to the surface. The monitoring wells will be completed at the surface with 8-inch flush-mount covers with 2-inch by 2-inch concrete pads.
- Excess soil cuttings generated during installation of the wells will be placed in 55-gallon drums and transported off-site for proper disposal.
- Equipment will be decontaminated prior to well installation activities and between well locations using an alconox and water solution.
- Groundwater samples will be collected from each of the five wells and analyzed for the following parameters:
    - TCL plus NYSDEC CP-51 VOCS using USEPA method 8260
    - TCL SVOCs using USEPA 8270
    - TAL Metals using USEPA Method 6010/7471
    - PCBs using USEPA Method 8082
    - Pesticides using USEPA Method 8081
    - Herbicides using USEPA Method 8151

In addition, two of the five wells (one up-gradient and one down-gradient relative to the presumed groundwater flow direction at the Site) will be sampled for the following parameters.

- PFOA and PFOS using USEPA Method 537
- 1,4-Dioxane using USEPA Method 8270

Results will be reported for the PFAS target analyte list contained in the NYSDEC guidance (February 2018) document included at the end of Appendix 5 (QCP), and reporting limits of 2 ng/l (parts per trillion) will be requested.

Groundwater sampling procedures are as follows:

- Prior to sample collection, the groundwater monitoring wells will be developed and field parameters including pH, temperature, turbidity, dissolved oxygen (DO), oxidation reduction potential (ORP) and specific conductance will be measured periodically until they become relatively stable (approximately 10% fluctuation or less).
- Subsequent to the development of the groundwater monitoring wells, a minimum of three well volumes will be purged from each monitoring well, unless dry well conditions are encountered. Development water will be placed in 55-gallon drums and transported off-site for proper disposal. No water will be allowed to flow off-site. Each well will be purged and sampled using low-flow sampling techniques.
- All groundwater sampling will be completed in a manner to minimize potential cross-contamination of the samples by completing all work as identified below. Because PFAS are found in numerous everyday items, the following special precautions will be taken during all sampling activities:
    - Acceptable materials for sampling include stainless steel, high density polyethylene (HDPE), PVC, silicone, acetate and polypropylene
    - No use of Teflon®-containing materials (e.g., Teflon® tubing, bailers, tape, sample jar lid liners, plumbing paste)
    - No Tyvek® clothing will be worn onsite
    - Clothing that contains polytetrafluorethylene (PTFE, GORE-TEX®, etc.) or that have been waterproofed with PFC materials will not be worn on-site.
    - All clothing worn by sampling personnel must have been laundered multiple times. Clothing must not be laundered with fabric softener.
    - No Post-It® notes will be brought onsite
    - No fast food wrappers, disposable cups or microwave popcorn will be brought on-site.
    - No use of chemical (blue) ice packs will be allowed.
    - No use of aluminum foil, low density polyethylene (LDPE), glass or PTFE materials will be allowed.
    - No use of Sharpies®, rather ball point pens will be utilized.
    - No use of sunscreen, insect repellants, cosmetic, lotions or moisturizers will be allowed by sampling personnel the day of sampling.
    - If any of the above items are handled by the field personnel prior to sampling activities, field personnel will wash their hands thoroughly with soap and water prior to any sampling activities.

  - Powder-free nitrile gloves will be worn during all sample collection activities.

- In the event of insufficient sample volume for full suite parameters, samples will be analyzed for as many of the listed parameters as possible, in the below listed order:
  - TCL plus NYSDEC CP-51 VOCs using USEPA Method 8260
  - TCL SVOCs using USEPA Method 8270
  - TAL metals using USEPA Methods 6010/7470/7471
  - PCBs using USEPA Method 8082
  - Pesticides using USEPA Method 8081
  - Herbicides using USEPA Method 8151
  - PFOA and PFOS using USEPA Method 537
  - 1,4-Dioxane using USEPA Method 8270

- In addition, each of the five new monitoring wells and depth to groundwater will be surveyed (latitude, longitude, and elevation) following installation and a groundwater contour map will be developed.

6.2 Health and Safety and Community Air Monitoring

LaBella's Health and Safety Plan for this project is included as Appendix 6. The NYSDOH Generic Community Air Monitoring Plan and Fugitive Dust and Particulate Monitoring will be utilized for this RI and are included as Appendix 4.

6.3 Housekeeping and Investigation Derived Waste

Good housekeeping practices will be followed to prevent leaving contaminated material on the ground surface. Waste materials anticipated to be generated during the implementation of this RIWP include soil from soil borings, excess soil cuttings during installation of the wells and development water during purging of the wells. Upon completion of soil boring activities, the removed materials will be returned to the bore holes from which they originated. Excess soil cuttings generated during installation of the wells as well as development water generated during purging activities will be placed in separate 55-gallon drums and transported off-site for proper disposal. Procedures will be implemented to prevent soils or water from leaving the Site.

Additional information regarding Investigation Derived Waste is included in Section 9 of the QCP, included in Appendix 5.

6.4 Quality Assurance/Quality Control Plan

Activities completed at the Site will be managed under LaBella's QCP, which is included in Appendix 5. Laboratory QA/QC sampling will include analysis of one trip blank and one duplicate sample for each matrix type (i.e., soil and groundwater) at a rate of one per 20 samples collected for each parameter group, or one per shipment, whichever is greater. Additionally, one MS/MSD will be collected and analyzed for each twenty samples collected for each parameter group, or one per shipment, whichever is greater. The MS/MSD will be analyzed for the same parameters as that of the field samples. Furthermore, one equipment rinsate blank will be collected and analyzed for PFOA/PFOS and 1,4-dioxane associated with the one groundwater sampling collected from the center portion of the Site. The samples will be delivered under Chain of Custody procedures to an

ELAP-certified laboratory. The laboratory will provide a NYSDEC ASP Category B Deliverables data package for all samples. A DUSR will be completed for all ASP-B format laboratory data packages per DER-10. The DUSRs will include the laboratory data summary pages showing corrections made by the data validator and each page will be initialed by the data validator. The laboratory data summary pages will be included even if no changes were made.

7.0 RI SCHEDULE AND REPORTING – DELIVERABLES

The information and laboratory analytical data obtained during the RI will be included in a RI Report, completed in accordance with DER-10.

It is anticipated that implementation of the RIWP will begin within 60 days after, the later of Participants entering into a Brownfield Cleanup Agreement, or NYSDEC approval of this work plan and the standard three-day Dig Safely New York waiting period. The field work is anticipated to require approximately 5 days to complete *(Note: this timeframe does not include laboratory analysis or data validation).* The RI Report will be submitted within two months of receipt of DUSRs.

The above schedule assumes that an addendum to the RI Work Plan will not be required. If an RI Work Plan addendum is required, it will be submitted as the need is identified and it will include a revised schedule. A copy of the Anticipated Project Schedule is included as Table 4.

All data will also be submitted in the NYSDEC-approved EDD format. The data will be submitted on a continuous basis immediately after data validation occurs.

FIGURES

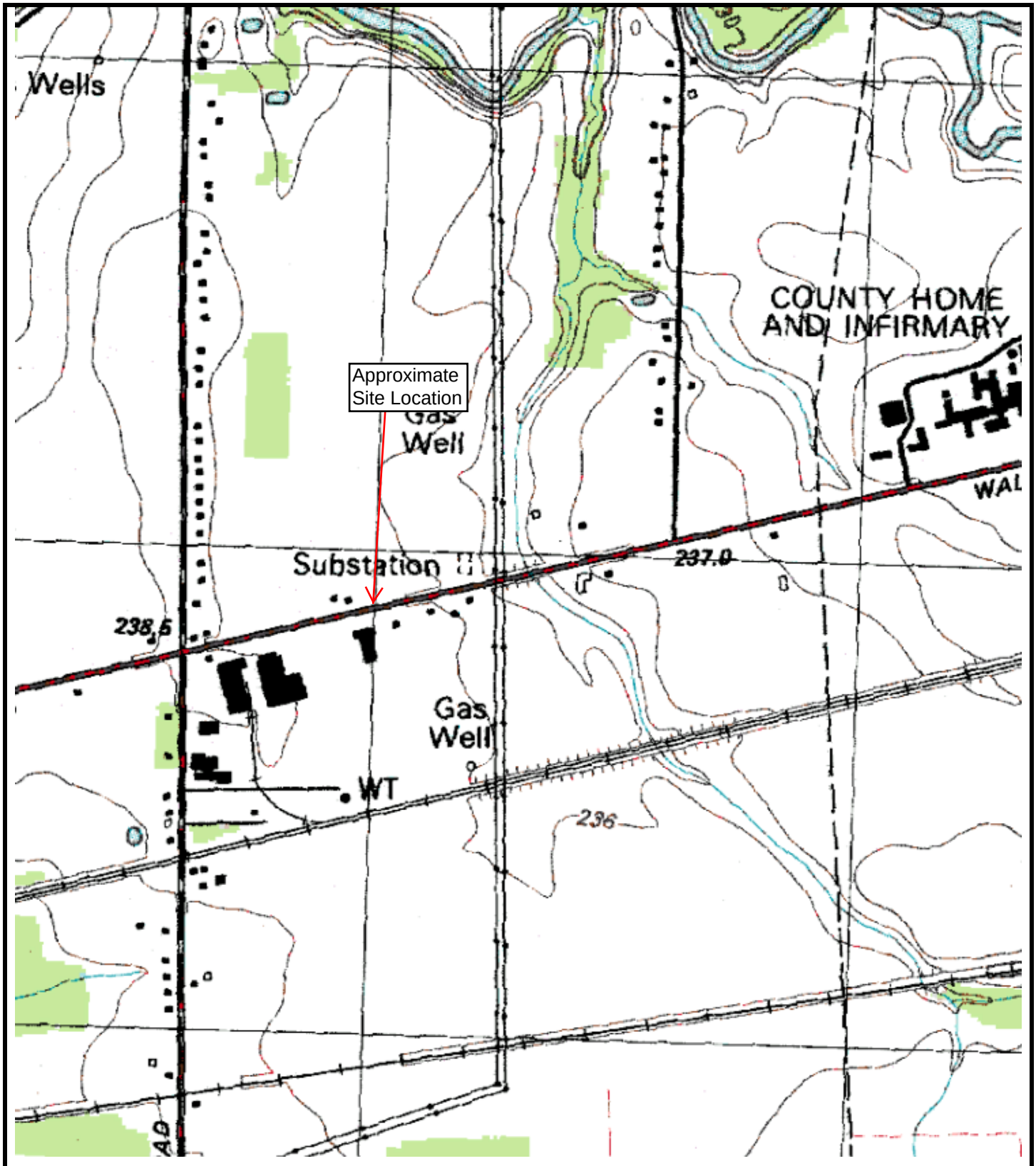

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FIGURE 1
SITE LOCATION MAP

11075 Walden Avenue
Alden, New York

LaBella
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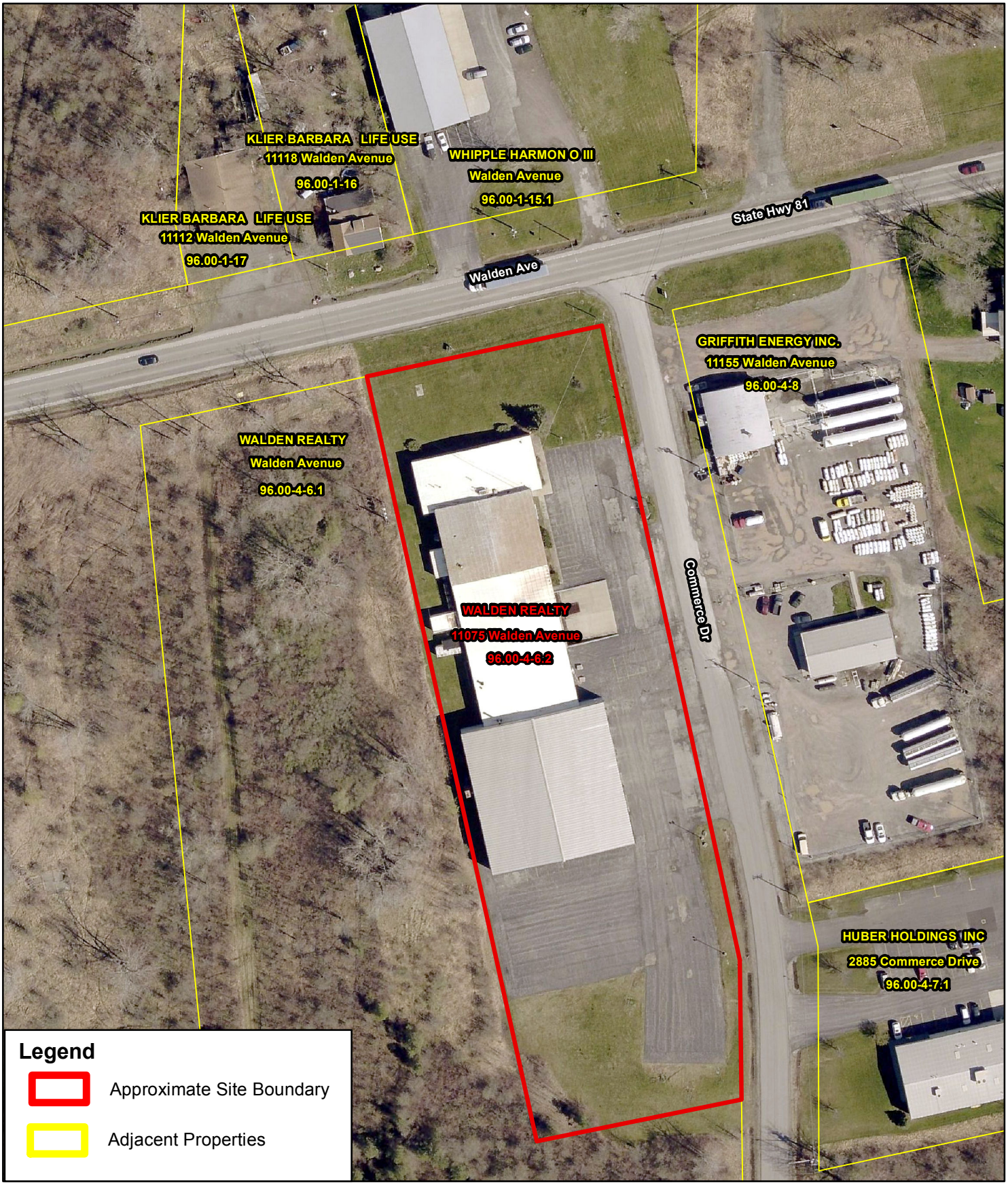
PROJECT NO. 2180605



PROJECT #/DRAWING #/DATE:	DRAWING NAME:	PROJECT:
2180605 FIGURE 2 3/13/2018	SITE BASE MAP	REMEDIAL INVESTIGATION WORK PLAN 11075 WALDEN AVENUE ALDEN, NEW YORK

N
W E
S

0 30 60
Feet

1 inch = 108 feet

INTENDED TO PRINT AS: 8.5" X 11"

LaBella
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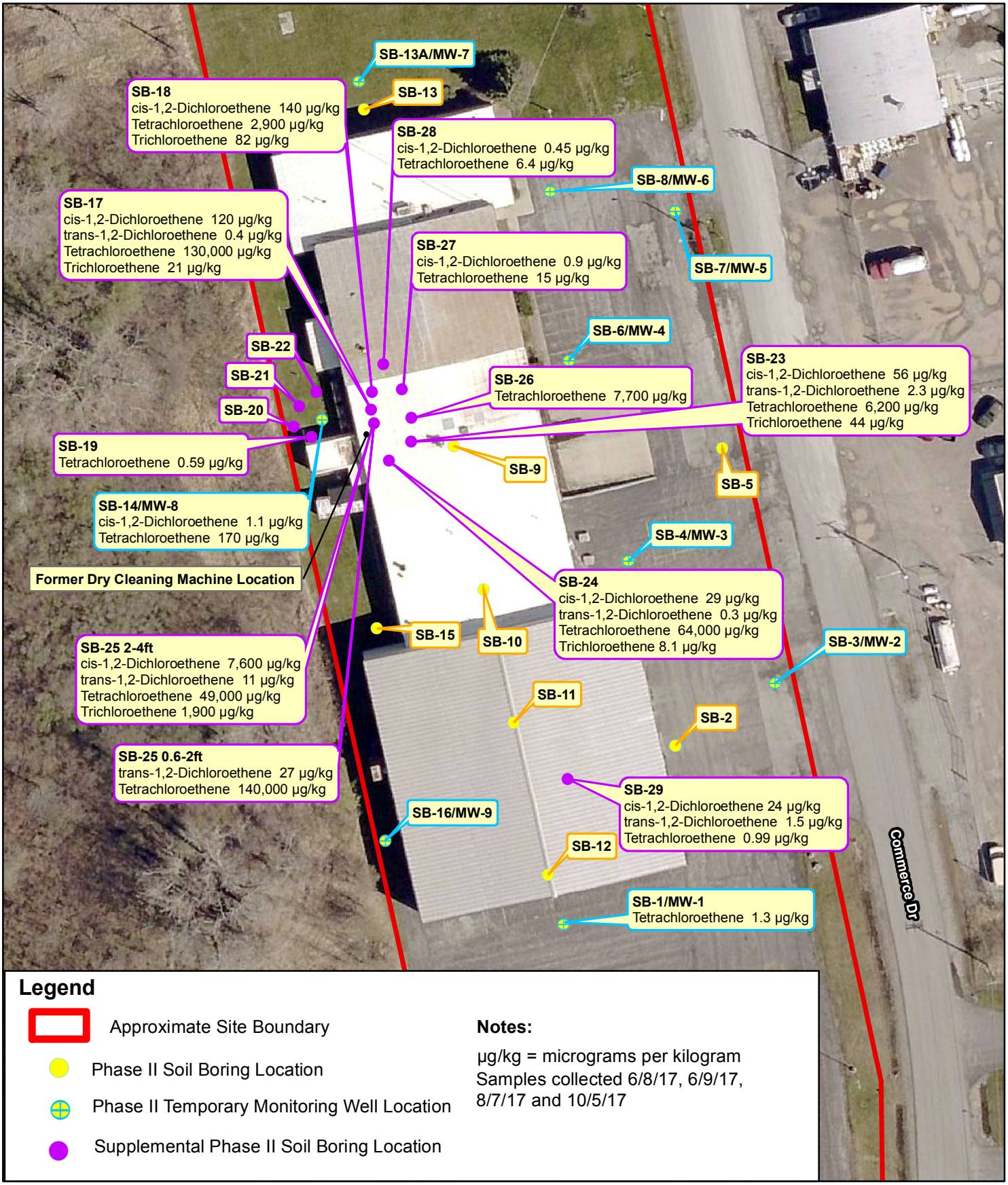

Legend

- Approximate Site Boundary
- Phase II Soil Boring Location
- Phase II Temporary Monitoring Well Location
- Supplemental Phase II Soil Boring Location

Notes:

µg/kg = micrograms per kilogram
Samples collected 6/8/17, 6/9/17, 8/7/17 and 10/5/17

PROJECT #/DRAWING #/DATE:
2180605
FIGURE 3
10/3/2018

DRAWING NAME:
SOIL SAMPLE LOCATIONS

PROJECT:
REMEDIAL INVESTIGATION WORK PLAN
11075 WALDEN AVENUE
ALDEN, NEW YORK

N W E S
0 20 40 Feet
1 inch = 58 feet

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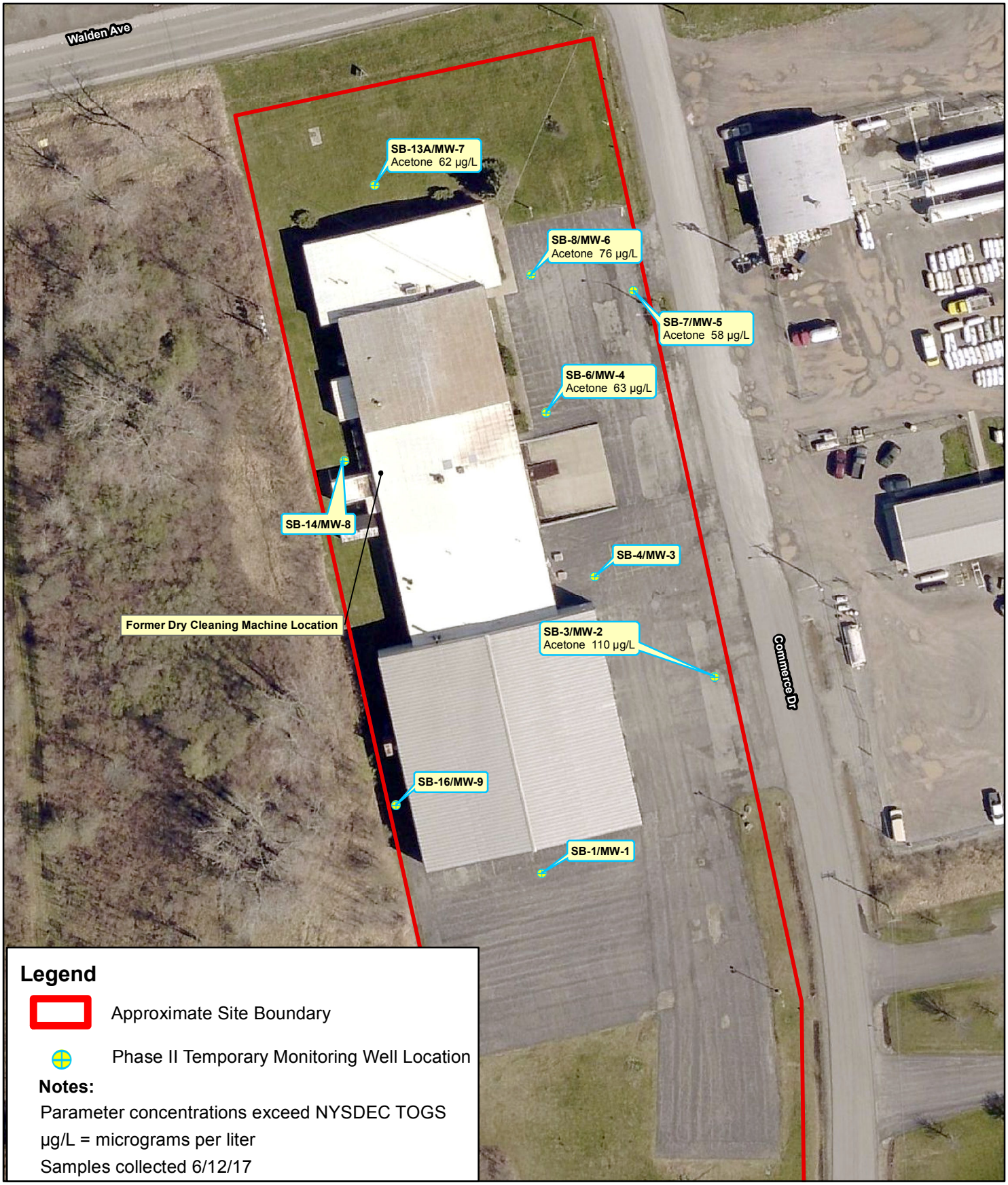

Legend

Approximate Site Boundary

Phase II Temporary Monitoring Well Location

Notes:

Parameter concentrations exceed NYSDEC TOGS

µg/L = micrograms per liter

Samples collected 6/12/17

PROJECT #/DRAWING #/DATE:	DRAWING NAME:	PROJECT:
2180605 FIGURE 4 3/13/2018	GROUNDWATER SAMPLE LOCATIONS	REMEDIAL INVESTIGATION WORK PLAN 11075 WALDEN AVENUE ALDEN, NEW YORK

N
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0 30 60 Feet

1 inch = 71 feet

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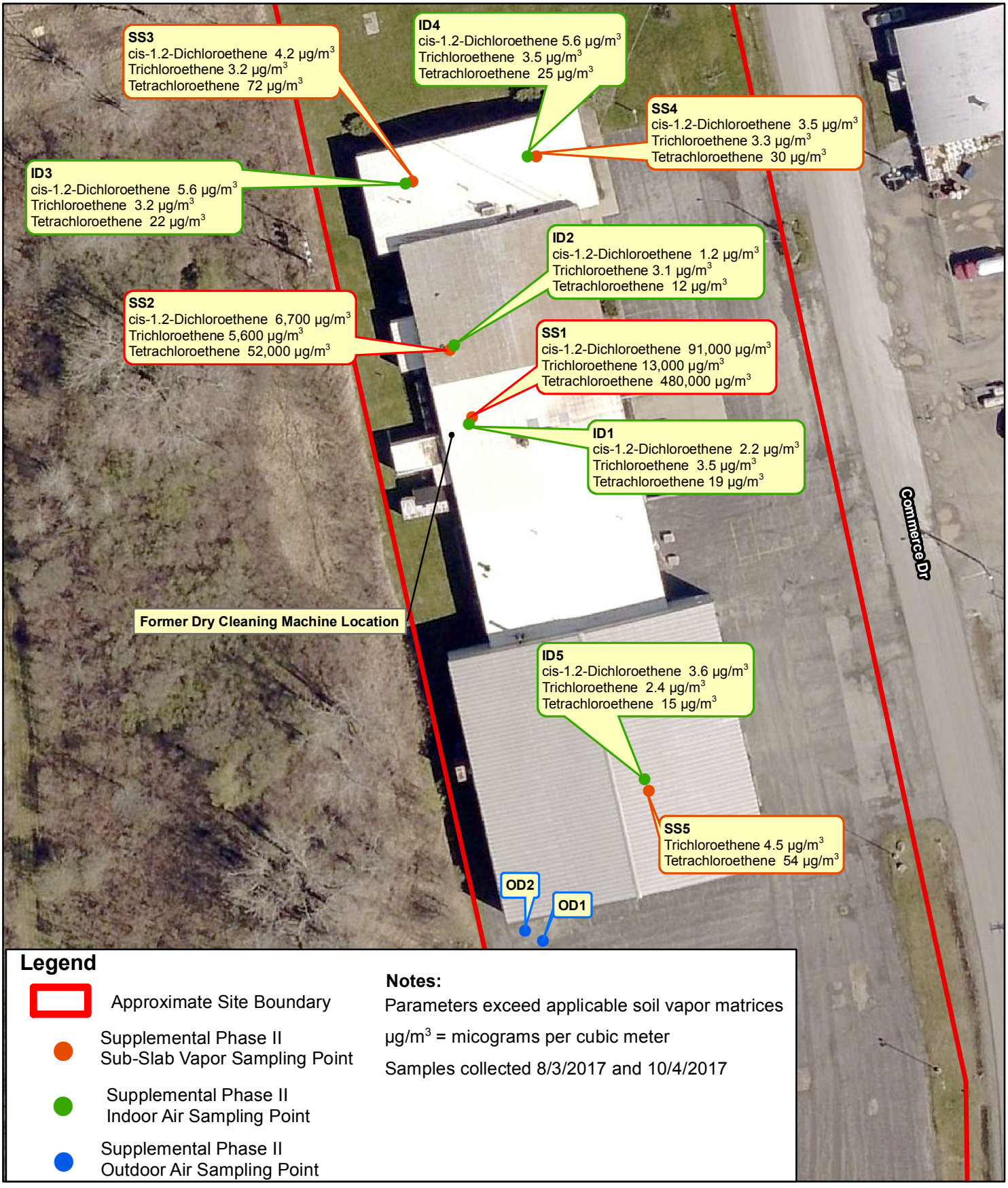

Legend

- Approximate Site Boundary
- Supplemental Phase II Sub-Slab Vapor Sampling Point
- Supplemental Phase II Indoor Air Sampling Point
- Supplemental Phase II Outdoor Air Sampling Point

Notes:

Parameters exceed applicable soil vapor matrices

µg/m^3 = micograms per cubic meter

Samples collected 8/3/2017 and 10/4/2017

PROJECT #/DRAWING #/DATE:

2180605

FIGURE 5

3/13/2018

DRAWING NAME:

SOIL VAPOR SAMPLE LOCATIONS

PROJECT:

REMEDIAL INVESTIGATION WORK PLAN

11075 WALDEN AVENUE
ALDEN, NEW YORK

N
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0 25 50 Feet

1 inch = 58 feet

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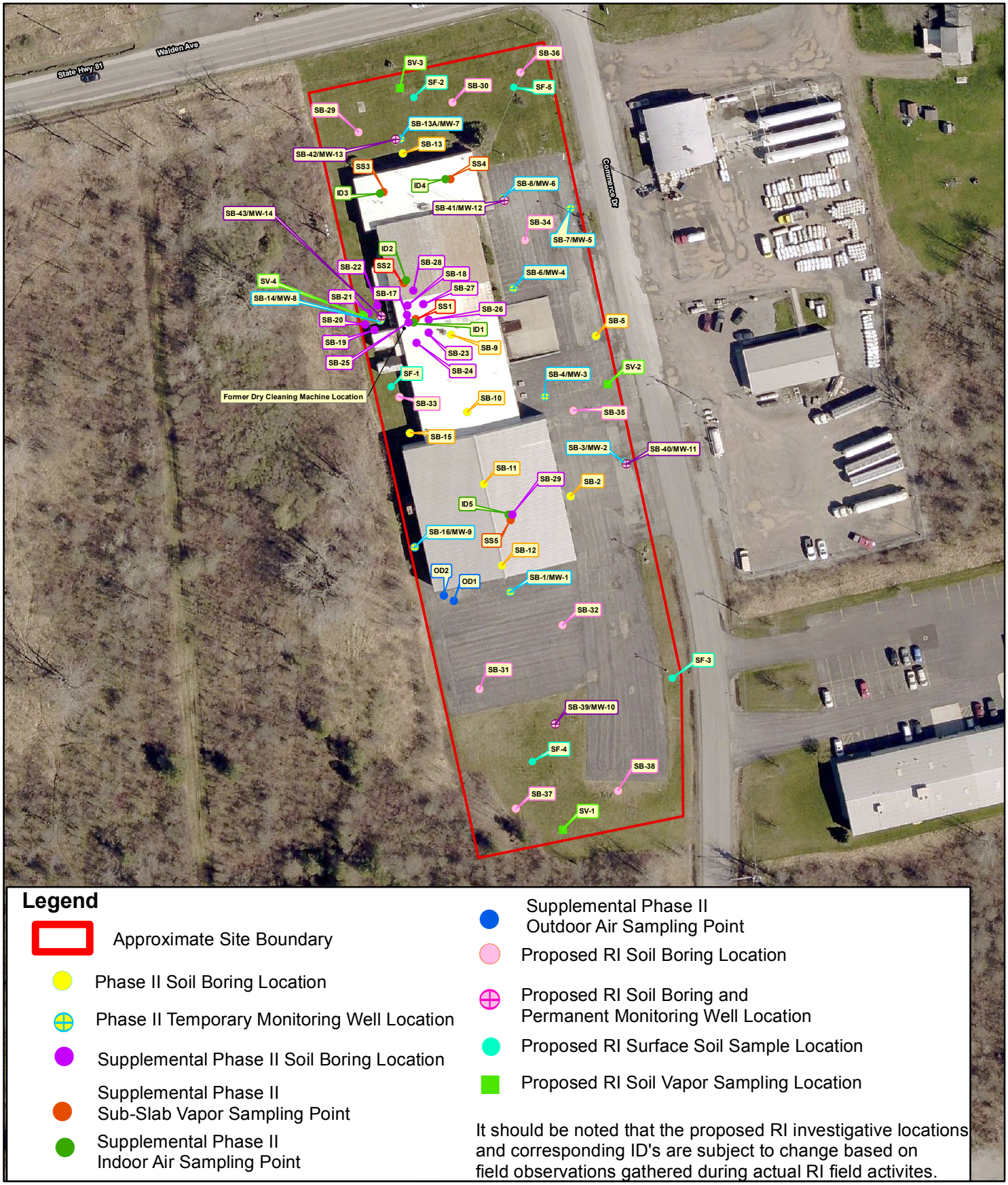

Legend

- Approximate Site Boundary
- Phase II Soil Boring Location
- Phase II Temporary Monitoring Well Location
- Supplemental Phase II Soil Boring Location
- Supplemental Phase II Sub-Slab Vapor Sampling Point
- Supplemental Phase II Indoor Air Sampling Point
- Supplemental Phase II Outdoor Air Sampling Point
- Proposed RI Soil Boring Location
- Proposed RI Soil Boring and Permanent Monitoring Well Location
- Proposed RI Surface Soil Sample Location
- Proposed RI Soil Vapor Sampling Location

It should be noted that the proposed RI investigative locations and corresponding ID's are subject to change based on field observations gathered during actual RI field activites.

PROJECT #/DRAWING #/DATE:

2180605

FIGURE 6

11/28/2018

DRAWING NAME:

PROPOSED REMEDIAL INVESTIGATION LOCATIONS

PROJECT:

REMEDIAL INVESTIGATION WORK PLAN

11075 WALDEN AVENUE
ALDEN, NEW YORK

N
W E
S

0 40 80
Feet

1 inch = 108 feet

INTENDED TO PRINT AS: 8.5" X 11"

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Path: J:\Walden Realty\2180605 - 11075 Walden Ave BCP\Reports\RIWP\Figures\Map.2018.3.13.Fig6.ProposedInvestigation.mxd

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TABLES

Table 1
11075 Walden Avenue
Alden, New York
Remedial Investigation Work Plan
Summary of Subsurface Soil Analytical Results
(Detected Analytes Only)

Sample ID	SB-1	SB-2	SB-3	SB-4	SB-6	SB-7	SB-8	SB-11	SB-12	SB-13A	SB-14	SB-16	SB-17	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	SB-25	SB-25	SB-26	SB-27	SB-28	SB-29	CP-51 SCG	Part 375 Commercial Use SCOs
Depth	0.3-1 ft bgs	1-2 ft bgs	9-10 ft bgs	5-6 ft bgs	10-11 ft bgs	4-5 ft bgs	2-3 ft bgs	1-2 ft bgs	0.6-1 ft bgs	2-3 ft bgs	8-9 ft bgs	1-2 ft bgs	0.6-2 ft bgs	14-16 ft bgs	12-14 ft bgs	14-16 ft bgs	8-10 ft bgs	14-16 ft bgs	4-6 ft bgs	0.6-2 ft bgs	0.6-2 ft bgs	0.6-2 ft bgs	2-4 ft bgs	0.6-2 ft bgs	4-6 ft bgs	0.6-2 ft bgs	0.6-2 ft bgs		
Sample Date	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/9/2017	6/9/2017	6/9/2017	6/9/2017	6/9/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017		
Volatile Organic Compounds (µg/kg)																													
Acetone	2.7 J	NA	<	<	6.7 J	<	22	NA	NA	56	<	<	<	<	<	9 J	<	6.7 J	<	43	23	40	38	<	14	25	37	NL	<
Chlorobenzene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	4.9	5.7	<	<	<	<	NL	500,000
Cyclohexane	0.44 J	NA	<	0.35 J	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.7 J	NL	NL
1,1-Dichloroethene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	10	5.9	<	<	<	<	NL	500,000
cis-1,2-Dichloroethene	<	NA	<	<	<	<	<	NA	NA	<	1.1	<	120	<	140	<	<	<	<	56	29	<	7,600	<	0.9 J	0.45 J	24	NL	500,000
trans-1,2-Dichloroethene	<	NA	<	<	<	<	<	NA	NA	<	<	<	0.4 J	<	<	<	<	<	<	2.3 J	0.3 J	27	11	<	<	<	1.5 J	NL	500,000
Ethylbenzene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	1.9 J	4.7	<	<	<	<	1,000	390,000
Isopropylbenzene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	0.59 J	<	<	<	<	2,300	NL
Methylcyclohexane	0.58 J	NA	<	0.33 J	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Methylene chloride	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	540 J B	19 J B	<	<	<	<	<	<	<	<	<	<	<	<	NL	500,000
Methyl ethyl ketone (2-Butanone)	<	NA	<	<	<	<	<	NA	NA	9.2	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	NL	500,000
4-Methyl-2-pentanone	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	1.9 J	<	<	<	<	NL	NL
Tetrachloroethene	1.3	NA	<	<	<	<	<	NA	NA	<	170	<	130,000	<	2,900	0.59 J	<	<	<	6,200	64,000	140,000	49,000	7,700	15 B	6.4 B	0.99 J B	NL	150,000
Toluene	0.24 J	NA	<	<	<	<	<	NA	NA	<	<	<	0.28 J	<	<	<	<	<	<	<	<	7	15	<	<	<	<	700	500,000
Trichloroethene	<	NA	<	<	<	<	<	NA	NA	<	5.6	<	21	<	82	<	<	<	<	44	8.1	<	1,900	4.1	<	<	<	NL	200,000
Vinyl Chloride	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	4.1	35	<	<	<	2.4 J	NL	13,000
Total Xylenes	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	7.3	22	<	<	<	<	260	500,000
Total VOCs	*5.26*	/	*0*	*0.68*	*6.7*	*0*	*22*	/	/	*65.2*	*176.7*	*0*	*130,141.68*	*540*	*3,141*	*9.59*	*0*	*6.7*	*0*	*6,345.3*	*64,060.4*	*140,102.2*	*58,639.79*	*7,704.1*	*24.9*	*31.85*	*66.59*	/	/
Metals (mg/kg)																													
Arsenic	2.4 J	4.87	NA	NA	NA	NA	NA	2.06	4.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	16
Barium	22.6	104	NA	NA	NA	NA	NA	11.3	38.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	400
Cadmium	0.107	0.307 J	NA	NA	NA	NA	NA	0.715	0.158 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	9.3
Chromium	7.37	8.84	NA	NA	NA	NA	NA	9.38	15.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	400/1,500*
Lead	8.2	20.4	NA	NA	NA	NA	NA	20.3	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	1,000
Mercury	<	0.04 J	NA	NA	NA	NA	NA	<	0.02 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	2.8
Selenium	0.4 J	0.627 J	NA	NA	NA	NA	NA	0.198 J	0.869 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	1,500

CP-51 SCG = New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy-51 (CP-51) Soil Cleanup Guidance (SCG) for Gasoline and Fuel Oil Contaminated Soils, Tables 2 and 3 (December 2010)

Part 375 Commercial Use SCOs = NYSDEC Part 375 Commercial Use Soil Cleanup Objectives (SCOs), Table 375-6.8(b) (December 2006)

< = Not detected

NL = Not listed

NA = Not analyzed

ft bgs = Feet below the ground surface

µg/kg = Micrograms per kilogram

mg/kg = Milligrams per kilogram

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

* = Chromium, hexavalent/Chromium, trivalent (The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.)

B = The compound was found in the blank and sample.

Table 2

11075 Walden Avenue

Alden, New York 14004

Remedial Investigation Work Plan

Summary of Groundwater Analytical Results

(Detected Analytes Only)

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	NYSDEC TOGS
Sample Date	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	
Volatile Organic Compounds (µg/L)										
Acetone	18	110	18	63	58	76	62	47	30	50
Benzene	0.34 J	0.34 J	0.5	0.23 J	0.38 J	0.24 J	<	0.28 J	0.18 J	1
Carbon Disulfide	1.3 J	3 J	<	1.8 J	13	<	<	3.6 J	<	NL
Cyclohexane	<	<	0.43 J	<	0.41 J	<	<	<	<	NL
2-Hexanone	<	<	<	<	<	<	2 J	<	<	50
Methylcyclohexane	<	<	0.63 J	<	<	<	<	<	<	NL
Methyl ethyl ketone (2-Butanone)	<	27	4.2 J	15	11	14	14	12	5.8	50
Tetrachloroethene	0.36 J	<	0.31 J	<	<	<	<	0.89	<	5
Toluene	<	<	0.75 J	<	<	<	<	<	<	5

NYSDEC TOGS = New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998)

< = Not detected

NL = Not listed

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

µg/L = Micrograms per liter

Concentrations in gray exceed NYSDEC TOGS

Table 3
11075 Walden Avenue, Alden, New York
Remedial Investigation Work Plan
Summary of Soil Vapor Instrusion Analyticial Results
(Detected Analytes Only)

Sample ID	SS1	ID1	SS2	ID2	OD1	SS3	ID3	SS4	ID4	SS5	ID5	OD2
Sampling Date	8/3/2017	8/3/2017	8/3/2017	8/3/2017	8/3/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017
Location	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Outdoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Outdoor Air
Volatile Organic Compounds (µg/m3)												
Dichlorodifluoromethane	<	2.4 J	<	2.2 J	2.1 J	2.8 J	2.4 J	2.5 J	2.5	<	2.4 J	2.3 J
Freon 22	<	9.9	<	6.7	1 J	3.7	2.9	3.7	3.2	<	7.9	0.97 J
Chloromethane	<	1.1	<	1 J	1.2	1.1 J	0.92 J	0.97 J	1 J	<	0.99 J	1.1
n-Butane	<	49	320 J	36	1.1 J	110	32	100	35	3,400	63	1.4
Trichlorofluoromethane	<	1.3	<	1.2	1 J	1.5 J	1.4	1.3 J	1.4	<	1.3	1.3
Freon TF	<	0.39 J	<	0.4 J	0.36 J	0.65 J	0.58 J	0.58 J	0.6 J	<	0.58 J	0.56 J
Acetone	<	15	<	12	12	100	9.78 J	87	18	170 J	10 J	26
Isopropyl alcohol	<	0.94 J	<	0.77 J	0.64 J	7.8 J	1.2 J	2.4 J	0.76 J	<	0.85 J	0.94 J
Carbon disulfide	< *	0.24 J*	180 J*	0.22 J*	<*	3 J	0.41 J	3.5	0.4 J	19 J	0.089 J	0.11 J
Methylene chloride	<	0.47 J	<	0.36 J	0.36 J	0.55 J	0.37 J	0.57 J	0.31 J	<	0.61 J	0.34 J
n-Hexane	<	1.9	<	1.5	<	37	1.7	38	1.8	1,900	3.4	<
Methyl Ethyl Ketone	<	1.9	<	1.1 J	1.8	17	1.4 J	18	3.5	23 J	1.5	5.7
cis-1,2-Dichloroethene	91,000	2.2	6,700	1.2	<	4.2	5.6	3.5	5.6	<	3.6	<
1,2-Dichloroethene, Total	91,000	2.2	6,700	1.2 J	<	4.4	5.6	3.4	5.6	<	3.6	<
Chloroform	<	<	<	<	<	0.52 J	<	0.8 J	<	<	<	<
1,1,1-Trichloroethane	<	<	<	<	<	0.43 J	<	0.48 J	0.14 J	<	<	<
Cyclohexane	<	0.22 J	<	0.17 J	<	11	0.17 J	16	0.2 J	2,200	0.44 J	<
Carbon tetrachloride	<	0.39 J	<	0.39 J	0.39 J	0.45 J	0.41 J	0.34 J	0.45 J	<	0.4 J	0.4 J
2,2,4-Trimethylpentane	<	0.24 J	<	<	<	1.2 J	0.24 J	1.5 J	0.22 J	23 J	0.33 J	<
Benzene	<	0.32 J	<	0.26 J	0.23 J	7.2	0.31 J	7.5	0.34 J	71	0.35 J	0.28 J
n-Heptane	<	0.63 J	<	0.48 J	<	29	0.53 J	28	0.58 J	1,500	1	<
Trichloroethene	13,000	3.5	5,600	3.1	<	3.2	3.2	3.3	3.5	4.5 J	2.4	<
Methyl isobutyl ketone	<	<	<	3.6	<	7.3	<	7.9	0.59 J	<	<	0.32 J
Toluene	<	0.55 J	620	0.55 J	0.51 J	17	1.1	23	1.3	310	0.95	0.54 J
Tetrachloroethene	480,000	19	52,000	12	0.14 J	72	22	30	25	54 J	15	0.11 J
Methyl Butyl Ketone (2-Hexanone)	<	0.48 J	<	<	<	5.3	<	5.2	0.64 J	<	<	1.3 J
Ethylbenzene	<	<	210 J	<	0.15 J	2.1	0.19 J	2.6	0.32 J	71	0.19 J	<
m,p-Xylene	<	0.4 J	520 J	0.41 J	0.49 J	11	0.67 J	10	1.4 J	340	0.66 J	0.41 J
o- Xylene	<	0.19 J	220 J	0.19 J	0.19 J	3.6	0.3 J	3.5	0.59 J	100	0.29 J	<
Xylene (total)	<	0.59 J	740 J	0.6 J	0.66 J	15	0.96 J	13	2 J	440	0.94 J	0.4 J
Styrene	<	<	<	<	0.18 J	0.72 J	<	0.68 J	<	<	<	<
Cumene	<	<	<	<	<	0.83 J	<	1 J	<	20 J	<	<
n-Propylbenzene	<	<	<	<	<	1.1 J	<	0.89 J	<	16 J	<	<
4-Ethyltoluene	<	<	<	<	<	1.5 J	<	1.3 J	0.31 J	9.1 J	<	<
1,3,5-Trimethylbenzene	<	<	<	<	<	1.7 J	<	1.3 J	0.26 J	20 J	0.2 J	<
2-Chlorotoluene	<	<	<	<	<	<	<	<	0.39 J	<	<	<
1,2,4-Trimethylbenzene	<	0.46 J	<	<	<	3.8	0.35 J	3.7	1.2	18 J	0.6 J.	<
4-Isopropyltoluene	<	<	<	<	<	<	<	<	0.39 J	<	<	<
1,4-Dichlorobenzene	<	1.5	<	0.71 J	<	<	0.57 J	<	0.52 J	<	<	<
Naphthalene	<	<	<	<	<	1.1	<	<	<	<	<	<

Volatile Organic Compounds by United States Environmental Protection Agency (USEPA) Method TO-15

J = Result is less than the reported limit or requested limit (RL) but greater than or equal to the method detection limit (MDL) and **the concentration is an approximate value.**

* = Laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) is outside acceptable limits.

($\mu g/m^3$) = micrograms per cubic meter

< = Not detected

ANTICIPATED PROJECT SCHEDULE

Table 4

BCP # C915333, 11075 Walden Avenue, Alden, New York

TASK DESCRIPTION	PLAN START	PLAN END	TYPE	2019 J	F	M	A	M	J	J	A	S	O	N	D
Remedial Investigation Field Activities	Jan-19	Jan-19	B												
Interim Remedial Measures Field Activities	Feb-19	Feb-19	G												
Prepare RI/IRM/AA Report + Revisions + 45 Day Public Comment Period	Mar-19	May-19	R												
Decision Document	May-19	May-19	Y												
Prepare Draft Environmental Easement (EE)	Apr-19	May-19	P												
Prepare Draft Site Management Plan (SMP)	Jun-19	Jun-19	X												
Prepare Draft Final Engineering Report (FER)	Jun-19	Jun-19	B												
Prepare Final SMP	Aug-19	Aug-19	G												
EE Recorded & Notices Provided	Aug-19	Aug-19	R												
Submit Final FER	Aug-19	Aug-19	Y												
NYSDEC/NYSDOH Review - EE, FER, SMP	Sep-19	Oct-19	O												
Certificate of Completion	Nov-19	Nov-19	P												

APPENDIX 1

Phase II Environmental Site Assessments

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

Olympic Towers, 300 Pearl Street, Suite 130 | Buffalo, NY 14202 | p 716.551.6281 | f 716.551.6282 | www.labellapc.com

Supplemental Phase II Environmental Site Assessment

Location:

11075 Walden Avenue
Alden, New York

Prepared for:

Walden Realty Limited Partnership
c/o Ms. Anne C. Evans
Barclay Damon LLP
200 Delaware Avenue, Suite 1200
Buffalo, New York

LaBella Project No. 2171935

December 4, 2017

Table of Contents

1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) completed a Phase II Environmental Assessment (ESA) for the property located at 11075 Walden Avenue, Town of Alden, Erie County, New York (Site) in June 2017. The results of that assessment are summarized in LaBella's Phase II ESA report dated June 28, 2017. Subsequently, LaBella was retained by Walden Realty Limited Partnership (Client) to conduct a Supplemental Phase II ESA for the Site to further evaluate the extent of the chlorinated volatile organic compound (CVOC) impact identified proximate the west exterior of the Site Building (SB-14), and to evaluate whether the subsurface CVOC impact represents a soil vapor intrusion concern to the Site Building. This Supplemental Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11. It should be noted that the results of LaBella's June 28, 2017 Phase II ESA Report have been included within this report.

1.1 Special Terms & Conditions

The findings of this Phase II ESA are based on the scope of work and project objectives as stated in LaBella's Proposal number P171885 dated July 21, 2017 and LaBella's Supplemental Work Authorization Form dated September 11, 2017.

1.2 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 property 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, monitoring well or vapor sampling point may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

1.3 Reliance

Walden Realty Limited Partnership 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.

2.0 BACKGROUND

2.1 Site Description & Features

The Site consists of 2.6 acres of land located southwest of the intersection of Walden Avenue and Commerce Drive. The Site is developed with one single-story, 34,858 square foot vacant building (Site Building) which was constructed in approximately 1964. The exterior of the Site includes green space to the north of the Site Building and asphalt-paved parking areas to the east and south of the Site Building.

2.2 Physical Setting

The Site is located at 11075 Walden Avenue, Town of Alden, Erie County, New York, within a predominantly suburban area. Groundwater flow at the Site appears to generally flow to the west.

2.3 Adjoining/Adjacent Property Use

The following properties border the Site.

Direction	Occupant
North beyond Walden Avenue	Napa Auto Care Center and a residential property
South	Undeveloped forested land
East	Griffith Energy and Hubco Pads
West	Undeveloped forested land

2.4 Summary of Previous Studies by Others

LaBella reviewed a Transaction Screen Environmental Site Assessment Report (Transaction Screen) prepared by Lender Consulting Services, Inc. (LCS) for the Site dated May 4, 2017. Based on the contents of that report, LCS identified the following potential environmental concerns (PECs).

- The Site was historically utilized as an industrial laundry facility, including dry cleaning, from at least 1988 (potentially as early as the 1970s) through 2006. The Site was listed within the Federal Drycleaners, Resource Conservation and Recovery Act (RCRA) Generator, and Aerometric Information Retrieval System's programs associated with the dry cleaning operations.
- The Site utilized a septic system prior to the mid-1980s. Floor drains noted throughout the Site Building may have previously discharged to an on-site septic system.
- Former on-site operations included printing.
- Although all available resources were consulted, the use of the Site Building in the 1960s is unknown.

Subsequently, LaBella completed a subsurface soil and groundwater investigation at the Site to evaluate the PECs above. The results of the subsurface soil and groundwater investigation are summarized within LaBella's Phase II ESA Report dated June 28, 2017. Based on the results of the subsurface soil and groundwater investigation, further investigation was recommended at the Site.

3.0 OBJECTIVE

The objective of this Supplemental Phase II ESA was to further evaluate the extent of CVOC impact identified within soil samples collected from soil boring SB-14, and evaluate whether the subsurface CVOC impact represents a soil vapor intrusion concern to the Site Building.

4.0 SCOPE OF WORK

LaBella completed the following scope of work at the Site.

4.1 Soil Borings

LaBella advanced seventeen soil borings (SB-1 through SB-16 including SB-13A) on June 8 and 9, 2017 with a direct-push sampling system to evaluate the PECs identified within LCS' Transaction Screen dated May 4, 2017. Based on the findings of that investigation, on August 7, 2017, six additional soil borings (SB-17 through SB-22) were advanced at the Site to further evaluate the extent of the CVOC impact identified within soil boring SB-14. Based on the findings of that subsequent investigation, seven additional soil borings (SB-23 through SB-29) were advanced at the Site on October 5, 2017 to further evaluate the extent of CVOC impact identified beneath the Site Building.

Soil borings were advanced to depths ranging from five to 16 feet below the ground surface (ft bgs). The following soil borings: SB-9, SB-10, SB-11, SB-12, SB-17, SB-18 and SB-23 through SB-29 were advanced within the interior of the Site Building. Equipment refusal was encountered within soil boring SB-11 at a depth of 9.1 ft bgs due to a dense brick/concrete material and SB-13 at a depth of five ft bgs due to a dense boulder/rock in the subsurface. Additionally, equipment refusal was encountered in SB-23 through SB-29 at depths of 7.8 to 11 ft bgs due to a laminated clay layer. Soil boring SB-13A was advanced due to the shallow equipment refusal encountered in soil boring SB-13. Soil Boring Logs were completed for each soil boring and are included in Appendix 1. Soil boring locations are depicted on Figure 2.

Soils recovered from the soil borings were continuously assessed for visible impairment, olfactory indications of impairment and indication of detectable volatile organic compounds (VOCs) with a photoionization detector (PID). Select soil samples were placed in a cooler on ice and sent under standard chain of custody procedures to Alpha Analytical Laboratories (Alpha) in Westborough, Massachusetts and Test America in Amherst, New York. Generally, the soil samples collected were analyzed for Target Compound List (TCL) VOCs using United States Environmental Protection Agency (USEPA) Method 8260 and Resource Conservation and Recovery Act (RCRA) Metals using USEPA Method 7470/6010 as detailed within Table 5.

Upon completion of soil boring activities, the removed materials were returned to the bore holes from which they originated. Soil borings advanced within the interior of Site Building were completed with Quickrete to the preexisting surfaces.

4.2 Groundwater Monitoring Wells

Nine temporary two-inch groundwater monitoring wells (MW-1 through MW-9) were installed within soil borings SB-1, SB-3, SB-4, SB-6, SB-7, SB-8, SB-13A, SB-14, and SB-16, respectively, to depths ranging from 12.2 to 14.75 ft bgs. Each well was completed with five feet of 0.010-slot screen. The screens associated with the monitoring wells were connected to an appropriate length of solid PVC well riser to complete the well. The annulus was sand packed with quartz sand to approximately two ft bgs. The remaining annulus was bentonite sealed to the ground surface. Field logs associated with groundwater monitoring activities are included in Appendix 1. Monitoring well locations are detailed on Figure 2.

Monitoring wells MW-1 and MW-3 were purged dry prior to sampling, while monitoring wells MW-2, and MW-4 through MW-9, included purging of at least three well volumes prior to sampling. The groundwater samples were placed in a cooler on ice, and sent under standard chain of custody procedures to Alpha. All nine groundwater samples were submitted for analysis of TCL VOCs using USEPA Method 8260.

4.3 Limited Vapor Intrusion Assessment

On August 3, 2017, LaBella completed a soil vapor intrusion assessment at the Site. Prior to the soil vapor intrusion assessment at the Site on August 3, 2017, site representative Mr. Jim Doro identified the location of the former dry cleaning machine to LaBella. Such location is depicted on Figure 2 within the Appendix. The soil vapor sampling methods utilized were generally consistent with the October 2006 New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion. The soil vapor intrusion assessment included the collection of two sub-slab soil vapor samples (SS1 and SS2) and two indoor air samples (ID1 and ID2) within the northwest portion of the Site Building, and one outdoor ambient air sample (OD1) on the southwest exterior of the Site Building. The sub-slab soil vapor and indoor air sampling locations were selected to evaluate sub-slab and indoor air conditions in portions of the Site Building adjacent to the CVOC impacted soil identified within exterior soil boring SB-14 advanced during LaBella's June 28, 2017 Phase II ESA. The indoor air samples were collected immediately proximate to each sub-slab location. The outdoor air sample was collected from the upwind side of the Site Building.

Subsequently, on October 4, 2017, LaBella completed a supplemental soil vapor intrusion assessment within the north and south interior portions of the Site Building. The soil vapor intrusion assessment included the collection of three sub-slab soil vapor samples (SS3 through SS5) and three indoor air samples (ID3 through ID5) within the north and south interior portions of the Site Building, and one outdoor ambient air sample (OD2) on the southwest exterior of the Site Building. The indoor air samples were collected immediately adjacent to each sub-slab location. The outdoor air sample was collected from the upwind side of the Site Building. The sub-slab soil vapor and indoor air sampling locations were selected to evaluate sub-slab soil vapor and indoor air conditions throughout the Site Building. The locations of the sampling points are depicted on Figure 2.

A hammer drill was utilized to puncture the floor slab at five sub-slab soil vapor sampling point locations. Thereafter, polyethylene tubing and a seal was installed at each puncture location. An enclosure was then constructed and sealed to the sampling point tubing at each location. Subsequently, each enclosure was enriched with helium to conduct a tracer gas evaluation. The polyethylene tubing at each sub-slab soil vapor sampling point was then purged to ensure a representative sample of soil vapor was obtained. During purging, the purged air was monitored for helium via a Radio Detection MGD-2002 Helium Leak Detector. None of the sub-slab soil vapor sampling points exhibited concentrations of the tracer gas greater than 10%, thus all appeared to be sealed properly.

Subsequent to purging, the polyethylene tubing at each sub-slab soil vapor sampling point was connected to a PID to measure total VOCs. In addition, ambient air was also measured for total VOCs with the PID at each indoor and outdoor air sampling location. Table 4 located within the report appendix summarizes the field screening results. No elevated PID measurements were detected within the air sampling locations evaluated.

Summa canisters with laboratory calibrated regulators were connected to each of the five sub-slab soil vapor sampling points for soil vapor sample collection. Summa canisters with regulators were also used to collect indoor air samples proximate each of the sub-slab soil vapor sampling locations resulting in a total of five indoor air samples. Two summa canisters with regulators were utilized to collect outdoor ambient air samples at an upwind location proximate the southwest exterior corner of the Site Building. Each air/sub-slab soil vapor sample was collected continuously over an approximately eight-hour period and sent to Test America for analysis using USEPA test method TO-15.

Based on Site observations, wind was generally out of the southwest. As indicated above, the NYSDOH Indoor Air Quality Questionnaire and Building Inventory forms were completed as part of this assessment and are included in Appendix 2.

5.0 FINDINGS

5.1 Site Geology and Hydrology

The concrete slab of the Site Building was observed at 0.6 ft bgs thick with a gravel sub-base beneath it to a depth of one ft bgs in the soil borings advanced inside the Site Building (SB-9 through SB-12, SB-17, SB-18 and SB-23 through SB-29). Non-native materials including asphalt surface material and sub-base gravel was encountered in exterior soil borings SB-1 through SB-8 to depths ranging from 0.3 to 0.6 ft bgs. A fill layer consisting of brown silty clay with trace gravel, rock, and concrete was encountered in soil borings SB-1, SB-2, SB-9, SB-10, SB-11, and SB-12 to depths ranging from one to two ft bgs. Based on the locations of the fill material encountered, it appears that such was utilized as fill material during construction of the building foundation. Native soils generally consisted of brown-red to brown-gray clayey silts typical of outwash plains and alluvial fans and were observed to a depth of 16 ft bgs. Saturated conditions were encountered in soil borings SB-1, SB-2, SB-4, SB-13A, and SB-14. Due to laminated clays (densely-packed) throughout the Site, saturated conditions were identified at a depth range of four to 10 ft bgs within the aforementioned soil borings.

5.2 Field Observations and Screening

No visible impairment or olfactory indications of impairment were observed within the fill material encountered. Metallic-like odor was identified in SB-17 at depths ranging from 12-16 ft bgs. A strong solvent-type odor was identified with SB-25 at depths ranging from 2-7.9 ft bgs. No suspect visual or olfactory evidence of impairment was observed in any of the remaining soil borings advanced at the Site. The table below summarizes PID readings collected from the soil borings:

Soil Boring PID Readings

Soil Boring ID	Sample Interval (ft bgs)															
	0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16
SB-1	5.3*	1.8	1.4	1.8	0.7	1.7	1.2	2.1	1.9	1.8	0.8	1.3	1.2	1.4	1.1	--
SB-2	1.3	0.9*	1.4	1.4	1.0	1.7	2.1	2.2	1.7	1.8	1.8	0.9	1.3	0.8	1.8	--
SB-3	--	--	--	--	--	1.5	1.7	1.6	1.6	2.1*	2.0	1.4	1.4	1.4	1.1	--
SB-4	0.8	3.0	2.6	2.4	2.8	3.3*	3.1	1.6	2.4	2.0	3.0	2.5	2.2	2.6	2.5	--
SB-5	1.5	1.8	2.8	3.3	1.7	3.2	2.6	2.1	2.0	2.6	2.9	2.7	2.2	1.6	2.6	--
SB-6	3.5	1.8	1.5	1.8	1.8	3.1	3.0	3.4	3.8	4.5	5.0*	3.6	2.6	2.8	3.0	--
SB-7	--	2.6	2.2	2.7	2.8*	2.5	2.5	1.5	1.9	2.1	2.3	2.4	1.8	1.9	1.6	--
SB-8	2.1	2.9	3.1*	2.6	2.4	2.1	2.2	1.9	2.4	2.1	1.4	1.8	2.1	2.0	1.9	--
SB-9	3.7	3.4	6.4	5.4	3.2	3.8	3.2	3.8	3.3	3.2	5.6	5.1	3.1	3.9	3.9	--
SB-10	1.8	1.9	2.5	2.0	1.6	2.6	2.7	2.0	2.5	1.8	2.3	2.1	2.5	2.5	2.3	--
SB-11	2.4	3.8*	2.2	1.6	1.4	2.1	1.8	2.4	2.3	2.2	--	--	--	--	--	--
SB-12	4.8*	3.3	2.2	2.0	1.2	1.3	1.8	2.3	2.5	2.5	1.9	1.8	2.3	1.9	1.8	--
SB-13	1.2	1.3	1.8	1.4	1.6	--	--	--	--	--	--	--	--	--	--	--
SB-13A	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
SB-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	--
SB-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
SB-16	0.0	0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
SB-17	158*		27		59		20.2		40.3		57.2		8.9		31.2*	
SB-18	4.4		4.4		2.6		4.3		5.9		8.2		10.0*		4.7	
SB-19	0.9		0.7		1.4		1.2		1.1		0.4		0.9		1.8*	
SB-20	0.3		0.5		0.0		0.0		1.6*		1.0		0.0		0.0	
SB-21	1.8		1.0		0.4		0.2		0.0		0.0		0.9		1.2*	
SB-22	2.1		0.7		2.1*		1		0.9		0.5		--		--	
SB-23	1.4*		0.1		0.1		0.3		0.3		0.1	--	--		--	
SB-24	13.4*		2.8		3.0		12.4		2.2	--	--		--		--	
SB-25	942*		3,674*		524		275	--	--		--		--		--	
SB-26	46.1*		6.2		15.4		10.2		1.7	--	--		--		--	
SB-27	4.4		4.6		15.1*		4.2		--		--		--		--	
SB-28	6.2*		4.6		1.7		1.7	--	--		--		--		--	
SB-29	4.4*		3.8		1.7		1.4	--	--		--		--		--	

Notes:

1. *All PID readings were collected utilizing a Minirae 3000 photoionization detector and are expressed in parts per million.*
2. *The PID screening is performed as a method of determining the 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. *"*" denotes a soil sample was submitted for laboratory analysis from this interval.*

5.3 Laboratory Analytical Results

5.3.1 Soil Laboratory Results

Seventeen VOCs were detected at concentrations above laboratory method detection limits. None of these VOCs were identified above NYSDEC Commissioner's Policy (CP)-51 Soil Cleanup Guidance (SCG) and Part 375 Commercial-Use Soil Cleanup Objectives (SCOs). However, several elevated concentrations of CVOCs (cis – 1,2- dichloroethene, trans-1,2-dichloroethene, tetrachloroethene and trichloroethene) were identified amongst the soil samples collected from SB-14, SB-17, SB-18 and SB-23 through SB-26 with total VOC concentrations ranging from 176.7 micrograms per kilogram (µg/kg) to 140,102.2 µg/kg. Soil laboratory results are summarized in Table 1. Copies of the laboratory reports are included in Appendix 3.

5.3.2 Groundwater Laboratory Results

Based on a review of the laboratory analytical results, several VOCs were detected at concentrations above laboratory method detection limits; however, a majority of these concentrations were identified below NYSDEC Division of Water Technical And Operations Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) with the exception of acetone in samples MW-2, MW-4, MW-5, MW-6, and MW-7 at 110 micrograms per liter (µg/L), 63 µg/L, 58 µg/L, 76 µg/L, and 62 µg/L, respectively. It should be noted that acetone is a common laboratory contaminant. Groundwater laboratory results are summarized in Table 2. Copies of the laboratory report are included in Appendix 3.

5.3.3 Soil Vapor & Indoor Air Laboratory Results

Laboratory results associated with the vapor intrusion assessment are summarized in Table 3 and the laboratory analytical reports are included in Appendix 3. As depicted in Table 3, several VOCs were detected in each sub-slab soil vapor and indoor air sample. The NYSDOH has established guidance documents for determining appropriate action to be taken to address current and potential soil vapor intrusion for a limited number of parameters. The NYSDOH guidance includes matrices to evaluate the results of sub-slab soil vapor and indoor air samples. The May 2017 updated Soil Vapor/Indoor Air Matrices A, B, and C are included following the Tables in the Appendices.

The following table identifies the elevated concentrations of CVOCs detected within the soil vapor and indoor air samples collected and submitted for laboratory analysis.

Sample ID	**SS1**	**ID1**	**SS2**	**ID2**	**SS3**	**ID3**	**SS4**	**ID4**	**SS5**	**ID5**
Sampling Date	8/3/17	8/3/17	8/3/17	8/3/17	10/4/17	10/4/17	10/4/17	10/4/17	10/4/17	10/4/17
Location	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air
VOCs (micrograms per cubic meter)										
Trichloroethene (TCE)	13,000	3.5	5,600	3.1	3.2	3.2	3.3	3.5	4.5	2.4
Tetrachloroethene (PCE)	480,000	19	52,000	12	72	22	30	25	54	15
Cis-1,2-dichloroethene	91,000	2.2	6,700	1.2	4.2	5.6	3.5	5.6	0	3.6

The NYSDOH has established an indoor air guideline of 30 micrograms per cubic meter (µg/m^3) for PCE and 2 µg/m^3 for TCE. The indoor air concentrations of TCE exceeded the NYSDOH guideline throughout the Site Building. The Occupational Safety and Health Administration (OSHA) indoor air guideline applicable to adult workers; however, is 535,000 µg/m^3 and the American Conference of Governmental Industrial Hygienists (ACGIH) indoor air guideline for TCE is 54,000 µg/m^3. The indoor air concentrations of TCE area, therefore, are orders of magnitude lower than the applicable OSHA and ACGIH guidelines.

Concentrations of several additional VOCs were detected above laboratory method detection limits within the indoor air and sub-slab soil vapor samples collected; however, such were either detected at concentrations below NYSDOH Guidance, or current NYSDOH Guidance has not established standards for such VOCs. No elevated concentrations of VOCs were detected within the outdoor ambient air samples collected from OD1 and OD2.

Based on the comparison of laboratory analytical results and NYSDOH guidance matrices, mitigation is required within the areas of SS1, ID1, SS2 and ID2. Additionally, identify source and resample or mitigation is required within the areas of SS3, ID3, SS4, ID4, SS5 and ID5.

6.0 CONCLUSIONS

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

- Although not identified at concentrations above NYSDEC CP-51 SCG and Part 375 Commercial-Use SCOs, several CVOCs were identified at elevated concentrations throughout areas of the Site suggesting CVOC-impacted soil is located beneath the west-central portion of the Site Building and proximate the west exterior of the Site Building. Such elevated concentrations were identified proximate SB-25, which was reported as the former location of a dry cleaning machine. Based on laboratory analytical results and field observations, elevated CVOC concentrations were identified at depths of 0.6-4 ft bgs. Laboratory analytical results from soil borings advanced adjacent SB-25 identified decreasing VOC concentrations when compared to VOC concentrations identified within SB-25. Therefore, the extent of elevated VOC concentrations appears to be generally defined and limited beneath the west-central portion of the Site Building proximate the reported former location of the dry cleaning machine.
- While nine VOCs were detected above laboratory method detection limits in the groundwater samples collected throughout the Site, the concentrations of VOCs detected do not exceed applicable NYSDEC guidance. As such, the identified concentrations of VOCs in the Site groundwater do not suggest that groundwater has been adversely impacted by CVOC-impacted soil located beneath the Site Building and proximate the west exterior of the Site Building. Further evaluation of groundwater conditions at the Site does not appear warranted at this time.
- Elevated concentrations of TCE, PCE, and cis-1,2-dichloroethene were detected within all of the indoor air and sub-slab soil vapor samples collected and submitted for laboratory analysis as part of this assessment. According to NYSDOH Soil Vapor Guidance, mitigation is required within the areas of SS1, ID1, SS2 and ID2. Additionally, identify source and resample or mitigation is required within the areas of SS3, ID3, SS4, ID4, SS5 and ID5.

7.0 RECOMMENDATIONS

- A soil vapor mitigation system should be designed and installed within the Site Building to mitigate soil vapor exposures to Site Building occupants.
- Excavation to the extent feasible and proper disposal of the CVOC impacted soil should be considered to reduce soil vapor concerns within the Site Building in the future. Furthermore, removal of the CVOC impacted soil will reduce the potential for migration of subsurface CVOC impact.
- Legal counsel should consulted to evaluate whether the subsurface CVOC impact identified at the Site constitutes a reporting obligation to the NYSDEC.

8.0 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 Approved By:

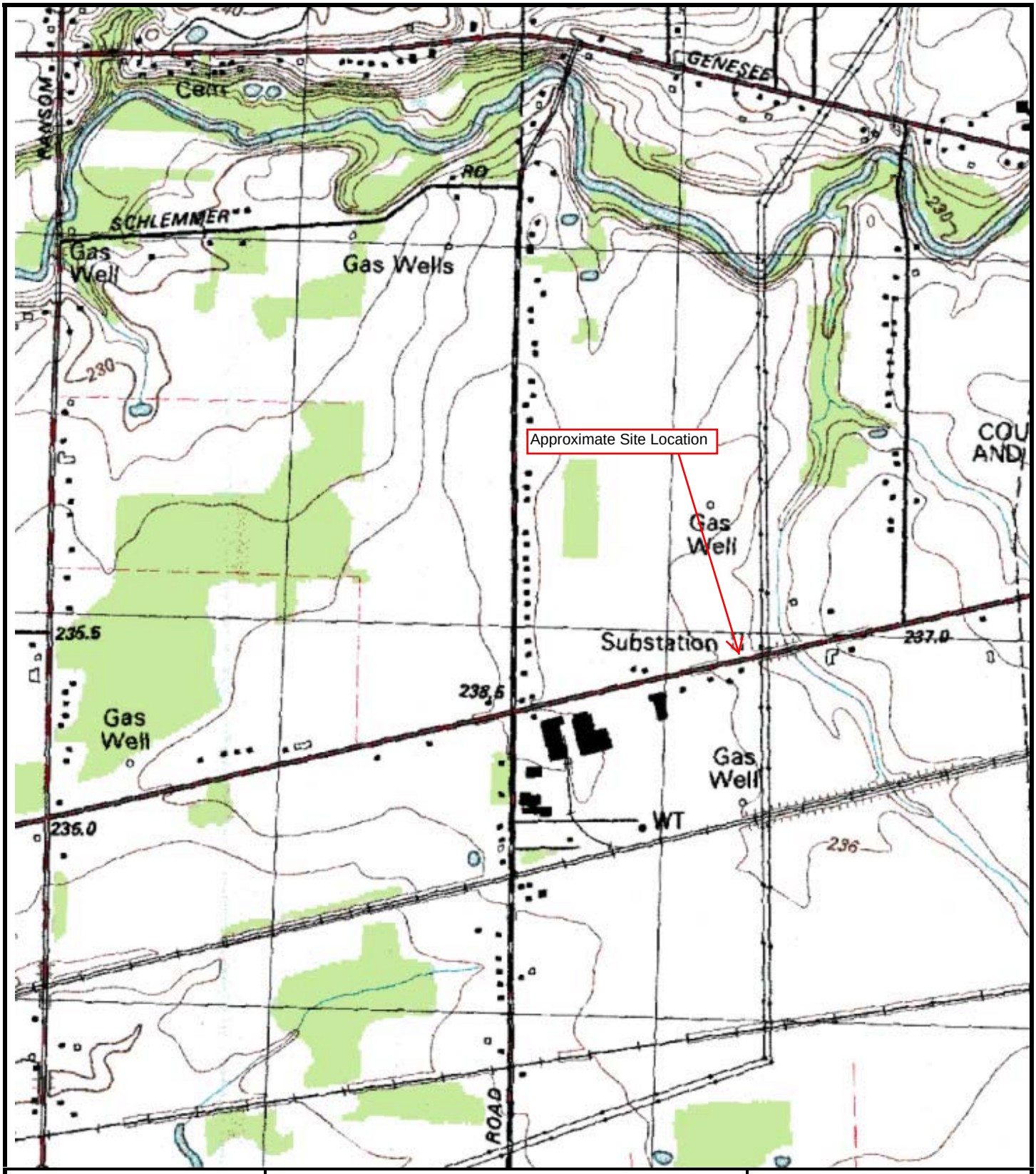
Adam Zebrowski
Director of Environmental Due Diligence
Project Manager
Environmental Professional

Report Prepared By:

Shannon Dalton
Environmental Analyst

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

FIGURES



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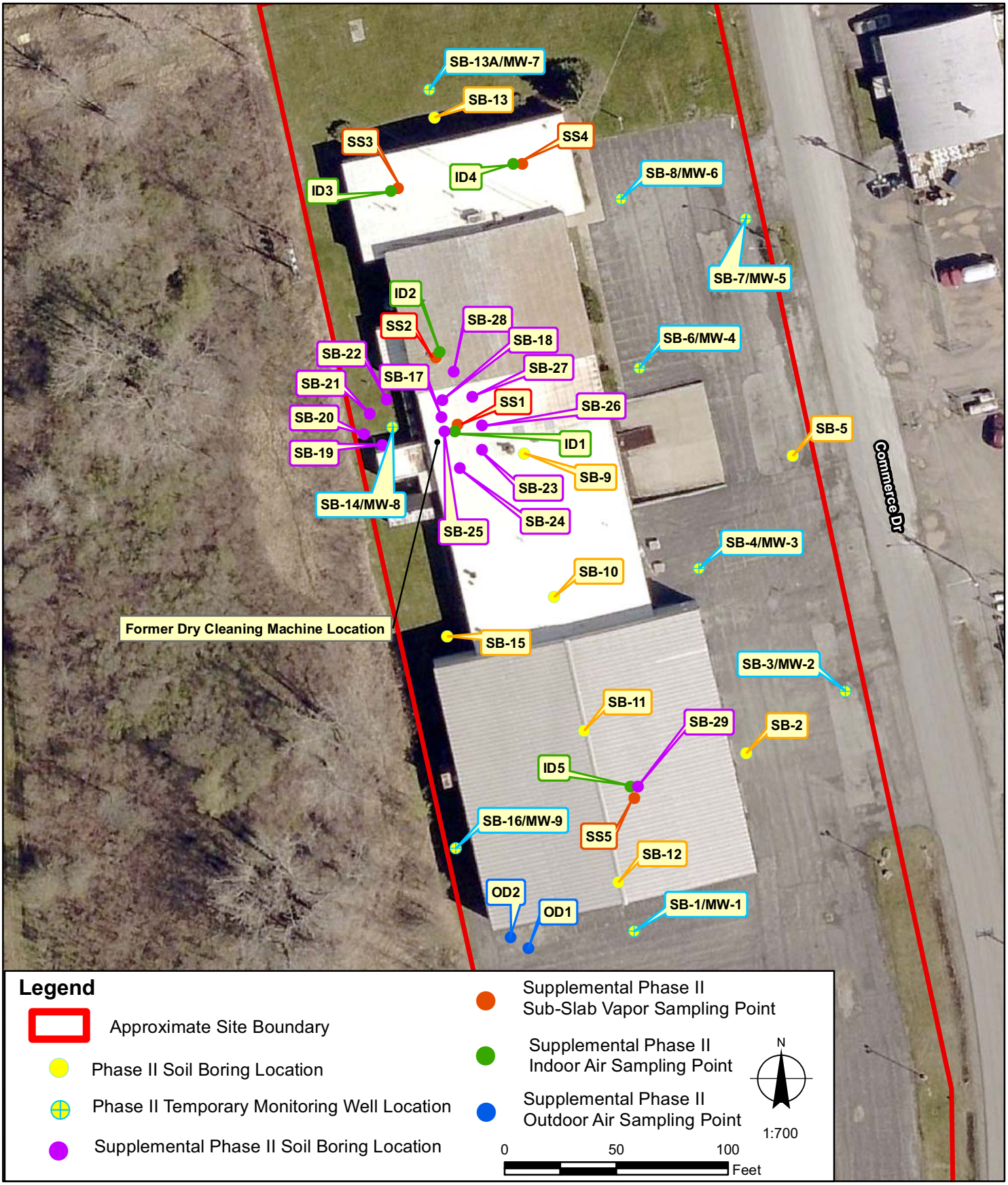
NOT TO SCALE

FIGURE 1
SITE LOCATION MAP

11075 Walden Avenue
Alden, New York

LABELLA

PROJECT NO. 2171935



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PROJECT/DRAWING NUMBER

2171935

FIGURE 2

DRAWING TITLE

SITE INVESTIGATION MAP

ISSUED FOR: REVIEW

DATE: OCTOBER 2017

DESIGNED BY: SND

DRAWN BY: SND

REVIEWED BY: CK

PROJECT/CLIENT

PHASE II ESA

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TABLES

Table 1
11075 Walden Avenue
Alden, New York
Phase II ESA
Summary of Subsurface Soil Analytical Results
(Detected Analytes Only)

Sample ID	SB-1	SB-2	SB-3	SB-4	SB-6	SB-7	SB-8	SB-11	SB-12	SB-13A	SB-14	SB-16	SB-17	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	SB-25	SB-25	SB-26	SB-27	SB-28	SB-29	CP-51 SCG	Part 375 Commercial Use SCOs
Depth	0.3-1 ft bgs	1-2 ft bgs	9-10 ft bgs	5-6 ft bgs	10-11 ft bgs	4-5 ft bgs	2-3 ft bgs	1-2 ft bgs	0.6-1 ft bgs	2-3 ft bgs	8-9 ft bgs	1-2 ft bgs	0.6-2 ft bgs	14-16 ft bgs	12-14 ft bgs	14-16 ft bgs	8-10 ft bgs	14-16 ft bgs	4-6 ft bgs	0.6-2 ft bgs	0.6-2 ft bgs	0.6-2 ft bgs	2-4 ft bgs	0.6-2 ft bgs	4-6 ft bgs	0.6-2 ft bgs	0.6-2 ft bgs		
Sample Date	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/8/2017	6/9/2017	6/9/2017	6/9/2017	6/9/2017	6/9/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017	10/5/2017		
Volatile Organic Compounds (µg/kg)																													
Acetone	2.7 J	NA	<	<	6.7 J	<	22	NA	NA	56	<	<	<	<	<	9 J	<	6.7 J	<	43	23	40	38	<	14	25	37	NL	<
Chlorobenzene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	4.9	5.7	<	<	<	<	NL	500,000
Cyclohexane	0.44 J	NA	<	0.35 J	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	0.7 J	NL	NL
1,1-Dichloroethene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	10	5.9	<	<	<	<	NL	500,000
cis-1,2-Dichloroethene	<	NA	<	<	<	<	<	NA	NA	<	1.1	<	120	<	140	<	<	<	<	56	29	<	7,600	<	0.9 J	0.45 J	24	NL	500,000
trans-1,2-Dichloroethene	<	NA	<	<	<	<	<	NA	NA	<	<	<	0.4 J	<	<	<	<	<	<	2.3 J	0.3 J	27	11	<	<	<	1.5 J	NL	500,000
Ethylbenzene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	1.9 J	4.7	<	<	<	<	1,000	390,000
Isopropylbenzene	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	0.59 J	<	<	<	<	2,300	NL
Methylcyclohexane	0.58 J	NA	<	0.33 J	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	NL	NL
Methylene chloride	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	540 J B	19 J B	<	<	<	<	<	<	<	<	<	<	<	<	NL	500,000
Methyl ethyl ketone (2-Butanone)	<	NA	<	<	<	<	<	NA	NA	9.2	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	NL	500,000
4-Methyl-2-pentanone	<	NA	<	<	<	<	<	NA	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	1.9 J	<	<	<	<	NL	NL
Tetrachloroethene	1.3	NA	<	<	<	<	<	NA	NA	<	170	<	130,000	<	2,900	0.59 J	<	<	<	6,200	64,000	140,000	49,000	7,700	15 B	6.4 B	0.99 J B	NL	150,000
Toluene	0.24 J	NA	<	<	<	<	<	NA	NA	<	<	<	0.28 J	<	<	<	<	<	<	<	<	7	15	<	<	<	<	700	500,000
Trichloroethene	<	NA	<	<	<	<	<	NA	NA	<	5.6	<	21	<	82	<	<	<	<	44	8.1	<	1,900	4.1	<	<	<	NL	200,000
Vinyl Chloride	<	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	4.1	35	<	<	<	2.4 J	NL	13,000
Total Xylenes	<	NA	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	<	7.3	22	<	<	<	<	260	500,000
Metals (mg/kg)																													
Arsenic	2.4 J	4.87	NA	NA	NA	NA	NA	2.06	4.03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	16
Barium	22.6	104	NA	NA	NA	NA	NA	11.3	38.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	400
Cadmium	0.107	0.307 J	NA	NA	NA	NA	NA	0.715	0.158 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	9.3
Chromium	7.37	8.84	NA	NA	NA	NA	NA	9.38	15.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	400/1,500*
Lead	8.2	20.4	NA	NA	NA	NA	NA	20.3	18.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	1,000
Mercury	<	0.04 J	NA	NA	NA	NA	NA	<	0.02 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	2.8
Selenium	0.4 J	0.627 J	NA	NA	NA	NA	NA	0.198 J	0.869 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NL	1,500

CP-51 SCG = New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy-51 (CP-51) Soil Cleanup Guidance (SCG) for Gasoline and Fuel Oil Contaminated Soils, Tables 2 and 3 (December 2010)

Part 375 Commercial Use SCOs = NYSDEC Part 375 Commercial Use Soil Cleanup Objectives (SCOs), Table 375-6.8(b) (December 2006)

< = Not detected

NL = Not listed

NA = Not analyzed

ft bgs = Feet below the ground surface

µg/kg = Micrograms per kilogram

mg/kg = Milligrams per kilogram

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

* = Chromium, hexavalent/Chromium, trivalent (The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.)

B = The compound was found in the blank and sample.

Table 2

11075 Walden Avenue

Alden, New York

Phase II ESA

Summary of Groundwater Analytical Results

(Detected Analytes Only)

Sample ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	NYSDEC TOGS
Sample Date	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	6/12/2017	
Volatile Organic Compounds (ug/L)										
Acetone	18	110	18	63	58	76	62	47	30	50
Benzene	0.34 J	0.34 J	0.5	0.23 J	0.38 J	0.24 J	<	0.28 J	0.18 J	1
Carbon Disulfide	1.3 J	3 J	<	1.8 J	13	<	<	3.6 J	<	NL
Cyclohexane	<	<	0.43 J	<	0.41 J	<	<	<	<	NL
2-Hexanone	<	<	<	<	<	<	2 J	<	<	50
Methylcyclohexane	<	<	0.63 J	<	<	<	<	<	<	NL
Methyl ethyl ketone (2-Butanone)	<	27	4.2 J	15	11	14	14	12	5.8	50
Tetrachloroethene	0.36 J	<	0.31 J	<	<	<	<	0.89	<	5
Toluene	<	<	0.75 J	<	<	<	<	<	<	5

NYSDEC TOGS = New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998)

< = Not detected

NL = Not listed

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

ug/L = Micrograms per liter

Concentrations in gray exceed NYSDEC TOGS

Table 3
11075 Walden Avenue, Alden, New York
Phase II ESA
Summary of Soil Vapor Instrusion Analyticial Results
(Detected Analytes Only)

Sample ID	SS1	ID1	SS2	ID2	OD1	SS3	ID3	SS4	ID4	SS5	ID5	OD2
Sampling Date	8/3/2017	8/3/2017	8/3/2017	8/3/2017	8/3/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017	10/4/2017
Location	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Outdoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Outdoor Air
Volatile Organic Compounds (µg/m3)												
Dichlorodifluoromethane	<	2.4 J	<	2.2 J	2.1 J	2.8 J	2.4 J	2.5 J	2.5	<	2.4 J	2.3 J
Freon 22	<	9.9	<	6.7	1 J	3.7	2.9	3.7	3.2	<	7.9	0.97 J
Chloromethane	<	1.1	<	1 J	1.2	1.1 J	0.92 J	0.97 J	1 J	<	0.99 J	1.1
n-Butane	<	49	320 J	36	1.1 J	110	32	100	35	3,400	63	1.4
Trichlorofluoromethane	<	1.3	<	1.2	1 J	1.5 J	1.4	1.3 J	1.4	<	1.3	1.3
Freon TF	<	0.39 J	<	0.4 J	0.36 J	0.65 J	0.58 J	0.58 J	0.6 J	<	0.58 J	0.56 J
Acetone	<	15	<	12	12	100	9.78 J	87	18	170 J	10 J	26
Isopropyl alcohol	<	0.94 J	<	0.77 J	0.64 J	7.8 J	1.2 J	2.4 J	0.76 J	<	0.85 J	0.94 J
Carbon disulfide	< *	0.24 J*	180 J*	0.22 J*	<*	3 J	0.41 J	3.5	0.4 J	19 J	0.089 J	0.11 J
Methylene chloride	<	0.47 J	<	0.36 J	0.36 J	0.55 J	0.37 J	0.57 J	0.31 J	<	0.61 J	0.34 J
n-Hexane	<	1.9	<	1.5	<	37	1.7	38	1.8	1,900	3.4	<
Methyl Ethyl Ketone	<	1.9	<	1.1 J	1.8	17	1.4 J	18	3.5	23 J	1.5	5.7
cis-1,2-Dichloroethene	91,000	2.2	6,700	1.2	<	4.2	5.6	3.5	5.6	<	3.6	<
1,2-Dichloroethene, Total	91,000	2.2	6,700	1.2 J	<	4.4	5.6	3.4	5.6	<	3.6	<
Chloroform	<	<	<	<	<	0.52 J	<	0.8 J	<	<	<	<
1,1,1-Trichloroethane	<	<	<	<	<	0.43 J	<	0.48 J	0.14 J	<	<	<
Cyclohexane	<	0.22 J	<	0.17 J	<	11	0.17 J	16	0.2 J	2,200	0.44 J	<
Carbon tetrachloride	<	0.39 J	<	0.39 J	0.39 J	0.45 J	0.41 J	0.34 J	0.45 J	<	0.4 J	0.4 J
2,2,4-Trimethylpentane	<	0.24 J	<	<	<	1.2 J	0.24 J	1.5 J	0.22 J	23 J	0.33 J	<
Benzene	<	0.32 J	<	0.26 J	0.23 J	7.2	0.31 J	7.5	0.34 J	71	0.35 J	0.28 J
n-Heptane	<	0.63 J	<	0.48 J	<	29	0.53 J	28	0.58 J	1,500	1	<
Trichloroethene	13,000	3.5	5,600	3.1	<	3.2	3.2	3.3	3.5	4.5 J	2.4	<
Methyl isobutyl ketone	<	<	<	3.6	<	7.3	<	7.9	0.59 J	<	<	0.32 J
Toluene	<	0.55 J	620	0.55 J	0.51 J	17	1.1	23	1.3	310	0.95	0.54 J
Tetrachloroethene	480,000	19	52,000	12	0.14 J	72	22	30	25	54 J	15	0.11 J
Methyl Butyl Ketone (2-Hexanone)	<	0.48 J	<	<	<	5.3	<	5.2	0.64 J	<	<	1.3 J
Ethylbenzene	<	<	210 J	<	0.15 J	2.1	0.19 J	2.6	0.32 J	71	0.19 J	<
m,p-Xylene	<	0.4 J	520 J	0.41 J	0.49 J	11	0.67 J	10	1.4 J	340	0.66 J	0.41 J
o- Xylene	<	0.19 J	220 J	0.19 J	0.19 J	3.6	0.3 J	3.5	0.59 J	100	0.29 J	<
Xylene (total)	<	0.59 J	740 J	0.6 J	0.66 J	15	0.96 J	13	2 J	440	0.94 J	0.4 J
Styrene	<	<	<	<	0.18 J	0.72 J	<	0.68 J	<	<	<	<
Cumene	<	<	<	<	<	0.83 J	<	1 J	<	20 J	<	<
n-Propylbenzene	<	<	<	<	<	1.1 J	<	0.89 J	<	16 J	<	<
4-Ethyltoluene	<	<	<	<	<	1.5 J	<	1.3 J	0.31 J	9.1 J	<	<
1,3,5-Trimethylbenzene	<	<	<	<	<	1.7 J	<	1.3 J	0.26 J	20 J	0.2 J	<
2-Chlorotoluene	<	<	<	<	<	<	<	<	0.39 J	<	<	<
1,2,4-Trimethylbenzene	<	0.46 J	<	<	<	3.8	0.35 J	3.7	1.2	18 J	0.6 J.	<
4-Isopropyltoluene	<	<	<	<	<	<	<	<	0.39 J	<	<	<
1,4-Dichlorobenzene	<	1.5	<	0.71 J	<	<	0.57 J	<	0.52 J	<	<	<
Naphthalene	<	<	<	<	<	1.1	<	<	<	<	<	<

Volatile Organic Compounds by USEPA Method TO-15

J = Result is less than the reported limit or requested limit (RL) but greater than or equal to the method detection limit (MDL) and **the concentration is an approximate value.**

* = Laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) is outside acceptable limits.

($\mu g/m^3$) = micrograms per cubic meter

< = Not detected

Table 4
Limited Vapor Intrusion Assessment
11075 Walden Avenue, Alden, New York
Summary of SUMMA Canister Investigation

Sample ID	SS1	ID1	SS2	ID2	OD1	SS3	ID3	SS4	ID4	SS5	ID5	OD2
Location	Middle interior portion of Site Building		North interior of Site Building		South exterior of Site Building	West interior office area (northwest portion of Site Building)		East interior office area (northeast portion of Site Building)		South interior portion of Site Building		Southwest exterior of Site Building
Date	8/3/17	8/3/17	8/3/17	8/3/17	8/3/17	10/4/17	10/4/17	10/4/17	10/4/17	10/4/17	10/4/17	10/4/17
Canister Number	3232	4555	5052	2602	3835	3659	3286	3265	5066	5017	4542	5110
Regulator Number	3954	5000	3934	5219	3048	5186	5168	4747	5016	5000	2761	3752
PID Reading (parts per million)	0	0	0	0	0	5.5	0.1	2.5	0	17.2	0	0
Start Time	8:35	8:35	8:42	8:42	8:45	10:00	10:00	10:05	10:05	10:20	10:20	10:25
Reading	-30	-31	-31	-30	-30	-30	-30	-30	-30	-30	-30	-30
End Time	16:40	16:40	16:45	16:45	16:50	18:00	18:00	18:05	18:05	18:20	18:20	18:25
Reading	-6	-8	-8	-8	-8	-5	-5	-8	-7	-9	-10	-15

-Date: 8/3/17
-Temperature: 74 degrees
-Barometric Pressure: 30.1
-Relative Humidity: 67%

-Date: 10/4/17
-Temperature: 73 degrees
-Barometric Pressure: 30.3
-Relative Humidity: 90 %

Table 5
11075 Walden Avenue, Alden, New York
Phase II Environmental Site Assessment
Laboratory Analysis Performed
(Detected Compounds Only)

Sample ID	Sample Depth (ft bgs)	Date Collected	Laboratory Analyses
SB-1	0.3-1	6/8/2017	TCL VOCs RCRA Metals
SB-2	1-2	6/8/2017	RCRA Metals
SB-11	1-2	6/9/2017	
SB-12	0.6-1	6/9/2017	
SB-3	9-10	6/8/2017	TCL VOCs
SB-4	5-6	6/8/2017	
SB-6	10-11	6/8/2017	
SB-7	4-5	6/8/2017	
SB-8	2-3	6/8/2017	
SB-13A	2-3	6/9/2017	
SB-14	8-9	6/9/2017	
SB-16	1-2	6/9/2017	
SB-17	0.6-2	8/7/2017	
	14-16	8/7/2017	
SB-18	12-14	8/7/2017	
SB-19	14-16	8/7/2017	
SB-20	8-10	8/7/2017	
SB-21	14-16	8/7/2017	
SB-22	4-6	8/7/2017	
SB-23	0.6-2	10/5/2017	
SB-24	0.6-2	10/5/2017	
SB-25	0.6-2	10/5/2017	
	2-4	10/5/2017	
SB-26	0.6-2	10/5/2017	
SB-27	4-6	10/5/2017	
SB-28	0.6-2	10/5/2017	
SB-29	0.6-2	10/5/2017	

TCL VOCS = Target Compound List (TCL) VOCs using United States Environmental Protection Agency (USEPA) Method 8260

RCRA Metals = RCRA Metals using USEPA Method 7470/6010

ft bgs = feet below ground surface

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (*c*12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

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

APPENDIX 1

Field Logs

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130
Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-1

Sheet 1 of 1
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: 900 to 1000
DATUM:
START DATE: 6/8/17 END DATE: 6/8/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.3-1		10"	5.3	0.3'	No odors or staining	0-0.3' Asphalt parking lot surface.
1-2		10"	1.8	1'	" "	0.3'-1' Brown Silty clay w/ trace gravel & concrete
2-3		10"	1.4	-	" "	1'-5' Brownish Red Silty clay w/ trace gravel (HS, LP, MJ).
3-4		10"	1.8	-	" "	5'-7' Brownish Red Silty clay w/ trace gravel (HP, MS, Sat)
4-5		10"	0.7	5'	" "	7'-12' Brownish Red Silty clay (HS, LP, MJ).
5-6		12"	1.7	-	" "	12'-15' Brown Silty clay w/ trace gravel (LP, LS, Sat).
6-7		12"	1.2	7'	" "	
7-8		12"	2.1	-	" "	
8-9		12"	1.9	-	" "	
9-10		12"	1.8	-	" "	
10-11		12"	0.8	-	" "	
11-12		12"	1.3	12'	" "	
12-13		12"	1.2	-	" "	
13-14		12"	1.4	-	" "	
14-15		12"	1.1	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/8/17	15'	YES	MW-1

NOTES:- GW @ 12'
- Fill material to 1'
- Tons of water in the well.

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130
Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-2

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: ~~1005~~ to 1100
DATUM:
START DATE: 6/8/17 END DATE: 6/8/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.3-1		9.6"	1.3	0.8'	No Staining or Odors	0 -0.3' Asphalt Surface
1-2		9.6"	0.9	1'	" "	0.3'-1' Brown Silty clay
2-3		9.6"	1.4	-	" "	w/ trace gravel & rock
3-4		9.6"	1.4	-	" "	1'-5' Brownish Red Silty clay
4-5		9.6"	1.0	5'	" "	w/ trace gravel (MP, MS, wet
5-6		12"	1.7	-	" "	5'- 9' Brownish Red Silty clay
6-7		12"	2.1	-	" "	(MP, MS, Sat).
7-8		12"	2.2	-	" "	9'-15' Brownish Red Clay
8-9		12"	1.7	9'	" "	(LP, HS, M).
9-10		12"	1.8	-	" "	
10-11		10.8"	1.8	-	" "	
11-12		10.8"	0.9	-	" "	
12-13		10.8"	1.3	-	" "	
13-14		10.8"	0.8	-	" "	
14-15		10.8"	1.8	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/8/17	15'	NO	—

NOTES: GW @ 5'
- Fill material to 1'

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300 Pearl Street, Suite 130
Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-3

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
START DATE: 6/8/17 END DATE: 6/8/17
TIME: 1100 to 1200
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		-	-	-	-	0-0.3' Asphalt surface 0.3'-0.6' Asphalt Subbase material [Angular Gravel] 0.6'-15' Brownish Red Silty Clay (LP, HS, M).
1-2		-	-	-	-	
2-3		-	-	-	-	
3-4		-	-	-	-	
4-5		-	-	-	-	
5-6		12"	1.5	-	No staining or odors	
6-7		12"	1.7	-	" "	
7-8		12"	1.6	-	" "	
8-9		12"	1.6	-	" "	
9-10		12"	2.1	-	" "	
10-11		12"	2.0	-	" "	
11-12		12"	1.4	-	" "	
12-13		12"	1.4	-	" "	
13-14		12"	1.4	-	" "	
14+5		12"	1.1	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/8/17	12'	yes	MW-2

NOTES: No fill encountered
- GW not
- 0'-5' = No recovery

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Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-4

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: 1215 to 1380
DATUM:
START DATE: 6/8/17 END DATE: 6/8/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		6"	0.8	0.3'	No staining or odors	0-0.3' Asphalt Surface and subbase material (Angular gravel)
1-2		6"	3.0	-	" "	0.3'-5' Brownish Red Silty clay (MP, MS, M).
2-3		6"	2.6	-	" "	
3-4		6"	2.4	-	" "	
4-5		6"	2.8	5'	" "	5'-15' Brownish Red Silty clay (MP, MS, Sat).
5-6		12"	3.3	-	" "	
6-7		12"	3.1	-	" "	
7-8		12"	1.6	-	" "	
8-9		12"	2.4	-	" "	
9-10		12"	2.0	-	" "	
10-11		12"	3.0	-	" "	
11-12		12"	2.5	-	" "	
12-13		12"	2.2	-	" "	
13-14		12"	2.6	-	" "	
14-15		12"	2.5	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/8/17	14.6	Yes	MW-3

NOTES: -No fill material
-A lot of water in boring

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TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-5

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: 1480 to 1800
DATUM:
START DATE: 6/8/17 END DATE: 6/8/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		9.6"	1.5	0.6'	NO staining or odors	0-0.6' Asphalt & Subbase material (Angular gravel).
1-2		9.6"	1.8	-	" "	
2-3		9.6"	2.8	-	" "	0.6'-15' Brown Silty Clay (HS, LP, M).
3-4		9.6"	3.3	-	" "	
4-5		9.6"	1.7	-	" "	
5-6		12"	3.2	-	" "	
6-7		12"	2.6	-	" "	
7-8		12"	2.1	-	" "	
8-9		12"	2.0	-	" "	
9-10		12"	2.6	-	" "	
10-11		12"	2.9	-	" "	
11-12		12"	2.7	-	" "	
12-13		12"	2.2	-	" "	
13-14		12"	1.6	-	" "	
14-15		12"	2.6	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/8/17	15'	NO	-

NOTES: - NO fill material
- NO GW encountered

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TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-6

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: ~~1500~~ to 1545
DATUM:
START DATE: 6/8/17 END DATE: 6/8/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		10"	3.5	0.3'	No Staining or Odors	0-0.3' Asphalt & Subbase material (angular gravel).
1-2		10"	1.8	-	" "	0.3'-15' Brownish Red clay w/ trace gravel (HS, LP, M).
2-3		10"	1.5	-	" "	
3-4		10"	1.8	-	" "	
4-5		10"	1.8	-	" "	
5-6		12"	3.1	-	" "	
6-7		12"	3.0	-	" "	
7-8		12"	3.4	-	" "	
8-9		12"	3.8	-	" "	
9-10		12"	4.5	-	" "	
10-11		12"	5.0	-	" "	
11-12		12"	3.6	-	" "	
12-13		12"	2.6	-	" "	
13-14		12"	2.8	-	" "	
14-15		12"	3.0	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/8/17	15'	Yes	MW-4

NOTES: - Fill not encountered
- GW not encountered

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TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-1

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
START DATE: 6/8/17 END DATE: 6/8/17
TIME: 1700 to 1730
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		12"	-	1'	No Staining or odors	0-1' Asphalt & Subbase material (Angular gravel).
1-2		12"	2.6	-	" "	
2-3		12"	2.2	-	" "	1'-10' Brownish Red Silty Clay (MP, MS, M).
3-4		12"	2.7	-	" "	
4-5		12"	2.8	-	" "	
5-6		12"	2.5	-	" "	10'-15' Brown Clay (MS, MP, M)
6-7		12"	2.5	-	" "	
7-8		12"	1.5	-	" "	
8-9		12"	1.9	-	" "	
9-10		12"	2.1	10'	" "	
10-11		12"	2.3	-	" "	
11-12		12"	2.4	-	" "	
12-13		12"	1.8	-	" "	
13-14		12"	1.9	-	" "	
14-15		12"	1.6	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	Yes	MW-5

NOTES: Very tight clays
- NO GW encountered
- NO fall encountered

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TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-8
Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
START DATE: 6/8/17 END DATE: 6/8/17
TIME: 1730 to 1815
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		12"	2.1	0.3'	No Staining or odors	0-0.3' Asphalt and Subbase material (Angular gravel)
1-2		12"	2.9	-	" "	
2-3		12"	3.1	3'	" "	0.3'- 3' Brownish Black Silty clay (MP, MS, M).
3-4		12"	2.6	-	" "	
4-5		12"	2.4	-	" "	
5-6		12"	2.1	-	" "	3'-15' Brownish Red Clay w/ trace gravel (HS, LP, M).
6-7		12"	2.2	-	" "	
7-8		12"	1.9	-	" "	
8-9		12"	2.4	-	" "	
9-10		12"	2.1	-	" "	
10-11		12"	1.4	-	" "	
11-12		12"	1.8	-	" "	
12-13		12"	2.1	-	" "	
13-14		12"	2.0	-	" "	
14-15		12"	1.9	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	Yes	MW-6

NOTES: - Very tight clays
- Rill not encountered.

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TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-9

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: ~~745~~ to 800
DATUM:
START DATE: 6/9/17 END DATE: 6/9/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		10.8"	3.7	0.6'	NO Staining or odors	0-0.6' Concrete surface 0.6'-1' Brown Silty clay w/ trace gravel 1-5' Brown Silty clay (MP, MS, M) 5'-15' Brownish Red Silty clay w/ trace gravel (MP, MS, M).
1-2		10.8"	3.4	1'	" "	
2-3		10.8"	6.4	-	" "	
3-4		10.8"	5.4	-	" "	
4-5		10.8"	3.2	5'	" "	
5-6		12"	3.8	-	" "	
6-7		12"	3.2	-	" "	
7-8		12"	3.8	-	" "	
8-9		12"	3.3	-	" "	
9-10		12"	3.2	-	" "	
10-11		12"	5.6	-	" "	
11-12		12"	5.1	-	" "	
12-13		12"	3.1	-	" "	
13-14		12"	3.9	-	" "	
14-15		12"	3.9	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	NO	-

NOTES: 18th boring inside Site Building

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TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-10

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: 800 to 820
DATUM:
START DATE: 6/9/17 END DATE: 6/9/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		7.2"	1.8	0.6'	No staining or odors	0-0.6' Concrete Surface
1-2		7.2"	1.9	1'	" "	0.6'-1' Brown Silty Clay w/ trace gravel
2-3		7.2"	2.5	-	" "	1'-15' Brownish Red Silty Clay w/ trace gravel (MP, MS, M).
3-4		7.2"	2.0	-	" "	
4-5		7.2"	1.6	-	" "	
5-6		12"	2.6	-	" "	
6-7		12"	2.7	-	" "	
7-8		12"	2.0	-	" "	
8-9		12"	2.5	-	" "	
9-10		12"	1.8	-	" "	
10-11		12"	2.3	-	" "	
11-12		12"	2.1	-	" "	
12-13		12"	2.5	-	" "	
13-14		12"	2.5	-	" "	
14-15		12"	2.3	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	NO	-

NOTES: 10'-15' - there was some water in the Silts & Sand was under pressure.
-NO dill encountered

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Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-11

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: 830 to 845
DATUM:
START DATE: 6/9/17 END DATE: 6/9/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		12"	2.4	0.6'	No Staining or Odors	0-0.6' Concrete Surface 0.6'-2' Brown Silty Clay w/ trace gravel, brick, crushed concrete. 2'-9' Brownish Red Silty Clay (LPS, LP, M) Refusal @ 9.1
1-2		12"	3.8	2'	" "	
2-3		12"	2.2	-	" "	
3-4		12"	1.6	-	" "	
4-5		12"	1.4	-	" "	
5-6		12"	2.1	-	" "	
6-7		12"	1.8	-	" "	
7-8		12"	2.4	-	" "	
8-9		12"	2.3	9'	" "	
9-10		12"	2.2	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	9.1	NO	-

NOTES: * Brick / concrete chunch at bottom of core.
- Fill to 2'

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Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-12
Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
START DATE: 6/9/17 END DATE: 6/9/17
TIME: ~~8~~ 845 to 900
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		9.6"	4.8	0.6'	No Staining or Odors	0-0.6' Concrete Surface
1-2		9.6"	3.3	2'	" "	0.6-2' Brown Silty Clay w/ trace gravel, brick, crushed concrete.
2-3		9.6"	2.2	-	" "	2'-15' Brownish Red Silty Clay w/ trace gravel (M Pl, MS M).
3-4		9.6"	2.0	-	" "	
4-5		9.6"	1.2	-	" "	
5-6		12"	1.3	-	" "	
6-7		12"	1.8	-	" "	
7-8		12"	2.3	-	" "	
8-9		12"	2.5	-	" "	
9-10		12"	2.5	-	" "	
10-11		12"	1.9	-	" "	
11-12		12"	1.8	-	" "	
12-13		12"	2.3	-	" "	
13-14		12"	1.9	-	" "	
14-15		12"	1.8	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	NO	-

NOTES: Fill to 2'
very tight clays

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Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-13
Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
TIME: 1055 to 1100
DATUM:
START DATE: 6/9/17 END DATE: 6/9/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		7.2"	1.2	0.3'	NO staining or odors	0-0.3' Grass surface & topsoil
1-2		7.2"	1.3	-	" "	
2-3		7.2"	1.8	-	" "	0.3'-4' Brownish Black Silty clay (LP, LS, Wet).
3-4		7.2"	1.4	4'	" "	
4-5		7.2"	1.6	5'	" "	4'-5' Brown silty clay w/ trace gravel
5-6		1"	-	-	" "	5.1 - Hit refusal. Rock in bottom of core.

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	5.1	NO	-

NOTES: - will move north 4-5' and try again.

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TEST BORING LOG
Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-18A
Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
START DATE:
END DATE:
TIME: 1100 to 1145
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		7.2"	0.0	0.3'	No Staining or odors	0-0.3'- Grass and topsoil
1-2		7.2"	0.0	-	" "	0.3'-4' Brownish Black Silty Clay (MP, MS, Wet).
2-3		7.2"	0.0	-	" "	
3-4		7.2"	0.0	4'	" "	4'-6' Brownish Red Silty Clay (MP, MS, Wet).
4-5		7.2"	0.0	-	" "	
5-6		12"	0.0	6'	" "	6'-15' Brownish Red Silty Clay (LP, HS, M).
6-7		12"	0.0	-	" "	
7-8		12"	0.0	-	" "	
8-9		12"	0.0	-	" "	
9-10		12"	0.0	-	" "	
10-11		12"	0.0	-	" "	
11-12		12"	0.0	-	" "	
12-13		12"	0.0	-	" "	
13-14		12"	0.0	-	" "	
14-15		12"	0.0	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	Yes	MW-7

NOTES:
- Very tight clays - Macro core was overpacking.

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Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-14
Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski
START DATE: 6/9/17 END DATE: 6/9/17
TIME: 1215 to 1245
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		10.0"	0.0	0.6'	No staining or odors	0-0.6' Grass surface & topsoil.
1-2		10"	0.0	-	" "	0.6'-9' Brownish Red Silty Clay w/ trace gravel. (HS, LP, M)
2-3		10"	0.0	-	" "	
3-4		10"	0.0	-	" "	
4-5		10"	0.0	-	" "	
5-6		10.2"	0.0	-	" "	
6-7		10.2"	0.0	-	" "	9'-10.5' Brownish Red Silty Clay w/ trace gravel (MP, MS, wet).
7-8		10.2"	0.0	-	" "	
8-9		10.2"	0.0	9'	" "	
9-10		10.2"	0.0	10'	" "	10.5'-15' Brownish Red Silty Clay w/ trace gravel (LP, HS, M)
10-11		12"	0.0	10.5'	" "	
11-12		12"	0.0	-	" "	
12-13		12"	0.0	-	" "	
13-14		12"	0.0	-	" "	
14-15		12"	0.0	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	Yes	MW-8

NOTES: - Fill not encountered.
- GW encountered @ 10'

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130
Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-15

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: 1300 to 1330
DATUM:
START DATE: 6/9/17 END DATE: 6/9/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		11.2"	0.0	0.3'	No Staining or Odors	0-0.3' Grass and topsoil 0.3'-15' Brownish Red silty clay w/ trace gravel. (MP, MS, M)
1-2		11.2"	0.0	-	" "	
2-3		11.2"	0.0	-	" "	
3-4		11.2"	0.0	-	" "	
4-5		11.2"	0.0	-	" "	
5-6		12"	0.0	-	" "	
6-7		12"	0.0	-	" "	
7-8		12"	0.0	-	" "	
8-9		12"	0.0	-	" "	
9-10		12"	0.0	-	" "	
10-11		12"	0.0	-	" "	
11-12		12"	0.0	-	" "	
12-13		12"	0.0	-	" "	
13-14		12"	0.0	-	" "	
14-15		12"	0.0	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	NO	—

NOTES: -very tight clays

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300 Pearl Street, Suite 130
Buffalo, NY 14202

TEST BORING LOG

Phase II ESA
11075 Walden Avenue
Lancaster, New York

BORING: SB-16

Sheet 1 of
JOB:
Checked by:

CONTRACTOR: LaBella LLC
DRILLER: M. Windrel Jr.
LABELLA REPRESENTITIVE: J Dombrowski

TIME: ~~1345~~ to
DATUM:
START DATE: 6/9/17 END DATE: 6/9/17

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~ 1.8-Inch
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0-1		12"	0.0	0.6'	No staining or odors	0-0.6' Grass & topsoil 0.6'-3' Brownish Red Silty Clay (LP, MS, wet) 3'-15' Brownish Red Silty Clay w/ trace gravel (HS, LP, M).
1-2		12"	0.0	-	" "	
2-3		12"	0.0	3'	" "	
3-4		12"	0.0	-	" "	
4-5		12"	0.0	-	" "	
5-6		12"	0.0	-	" "	
6-7		12"	0.0	-	" "	
7-8		12"	0.0	-	" "	
8-9		12"	0.0	-	" "	
9-10		12"	0.0	-	" "	
10-11		12"	0.0	-	" "	
11-12		12"	0.0	-	" "	
12-13		12"	0.0	-	" "	
13-14		12"	0.0	-	" "	
14-15		12"	0.0	-	" "	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID
6/9/17	15'	yes	MW-9

NOTES:

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300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue,
Alden, New York

BORING: SB-17

Sheet 1 of 1
JOB: 2171935
Checked by:

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 8/7/17
END DATE: 8/7/17
TIME: 8:35 to 9:40
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.6-2		6	158		No odors or staining	0-0.6 concrete slab
2-4		6	27		No odors or staining	0.6-2 brown clay silt (m,m)
4-6		24	59		No odors or staining	2-4 gray clay silt (m, m)
6-8		24	20.2		No odors or staining	4-6 brown gray clay silt (m,m)
8-10		22	40.3		No odors or staining	6-8 red brown clay silt (m,m)
10-12		22	57.2		No odors or staining	8-12 red brown clay (l, stiff, m)
12-14		24	8.9		Metallic odor No staining	12-16 gray clay (m,stiff,m)
14-16		24	31.2			

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Sample collected at 0.6-2 ft bgs and 14-16 ft bgs

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300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue,
Alden, New York

BORING: SB-18

Sheet 1 of 1
JOB: 2171935
Checked by:

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 8/7/17
END DATE: 8/7/17
TIME: 9:45 to 10:35
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.6-2		10	4.4		No odors or staining	0-0.6 concrete slab
2-4		10	4.4		No odors or staining	0.6-1 white grey gravel fill
4-6		24	2.6		No odors or staining	1-4 brown clay silt (m,m)
6-8		24	4.3		No odors or staining	2-4 gray clay silt (m, m)
8-10		24	5.9		No odors or staining	4-12 red brown clay (m, stiff, m)
10-12		24	8.2		No odors or staining	12-16 Brown clay (m,stiff,m)
12-14		24	10		No odors or staining	
14-16		24	4.7		No odors or staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Sample collected at 12-14 ft bgs

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300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue,
Alden, New York

BORING: SB-19

Sheet 1 of 1
JOB: 2171935
Checked by:

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 8/7/17
END DATE: 8/7/17
TIME: 13:40 to 14:54
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.6-2		20	0.9		No odors or staining	0-0.2 grass
2-4		20	0.7		No odors or staining	0.2-4 brown red clay silt (m,m)
4-6		24	1.4		No odors or staining	4-8 brown red clay (m, stiff, m)
6-8		24	1.2		No odors or staining	8-16 brown clay (m, stiff, m)
8-10		24	1.1		No odors or staining	
10-12		24	0.4		No odors or staining	
12-14		24	0.9		No odors or staining	
14-16		24	1.8		No odors or staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Sample collected at 14-16 ft bgs

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300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue,
Alden, New York

BORING: SB-20

Sheet 1 of 1
JOB: 2171935
Checked by:

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 8/7/17
END DATE: 8/7/17
TIME: 15:05 to 15:50
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.6-2		24	0.3		No odors or staining	0-0.2 grass 0.2-4 brown clay (m, stiff, m)
2-4		24	0.5		No odors or staining	4-6 brownish red clay (m, stiff, m)
4-6		24	0		No odors or staining	6-8 brown gray red clay (m, stiff, m)
6-8		24	0		No odors or staining	8-10 brown red clay (m, stiff, m)
8-10		24	1.6		No odors or staining	10-12 gray brown clay (m, stiff, m)
10-12		24	1.0		No odors or staining	12-16 brown red clay (m, stiff, m)
12-14		24	0		No odors or staining	
14-16		24	0		No odors or staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Sample collected at 8-10 ft bgs

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300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue,
Alden, New York

BORING: SB-21

Sheet 1 of 1
JOB: 2171935
Checked by:

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 8/7/17
END DATE: 8/7/17
TIME: 16:00 to 17:15
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.6-2		24	1.8		No odors or staining	0-0.2 grass
2-4		24	1		No odors or staining	0.2-0.8 brown black clay silt (m, m)
4-6		22	0.4		No odors or staining	0.8-2 brown red clay silt (m, m)
6-8		22	0.2		No odors or staining	2-4 brown gray clay (m, stiff, m)
8-10		24	0		No odors or staining	4-6 brown orange clay (m, stiff, m)
10-12		24	0		No odors or staining	6-7 gray clay (m, stiff, m)
12-14		24	0.9		No odors or staining	7-8 brown red clay (m, stiff, m)
14-16		24	1.2		No odors or staining	8-10 brown gray clay (m, stiff, m)
						10-12 brown red clay (m, stiff, m)
						12-14 gray clay (m, m, m)
						14-16 gray clay (m, wet, m)

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Sample collected at 14-16 ft bgs
Rained at 16:52

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300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue,
Alden, New York

BORING: SB-22

Sheet 1 of 1
JOB: 2171935
Checked by:

CONTRACTOR: Nature's Way
DRILLER:
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 8/7/17
END DATE: 8/7/17
TIME: 17:35 to 18:00
DATUM:

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (FT)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY	PID FIELD SCREEN (PPM)	STRATA CHANGE		
0.6-2		20	2.1		No odors or staining	0-0.2 grass
2-4		20	0.7		No odors or staining	0.2-2 brown red clay silt (m, m)
4-6		24	2.1		No odors or staining	2-4 brown gray clay (m, stiff, m)
6-8		24	1		No odors or staining	4-6 red brown clay silt (m,m)
8-10		24	0.9		No odors or staining	6-12 brown clay mixed with gravel (m, stiff, m)
10-12		24	0.5		No odors or staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal at 12 ft bgs

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue, Alden, New York

BORING: SB-23

Sheet 1 of 1
JOB: 217935
Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 10:45 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		18	1.4		No odors or staining	0-0.6 – concrete slab
2-4		18	0.1		No odors or staining	0.-6-2 brown clay mixed with gravel (m,m,m)
4-6		24	0.1		No odors or staining	2-6 brown clay (l,st,m)
6-8		24	0.3		No odors or staining	6-10 brown red clay (l,st,m)
8-10		16	0.3		No odors or staining	10-11 brown clay (l,st,m)
10-11		16	0.1		No odors or staining	
					No odors or staining	

GROUNDWATER ENCOUNTERED			
DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 11 ft due to laminated clays
Sample collected at 0.6-2 ft

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue, Alden, New York

BORING: SB-24

Sheet 1 of 1
JOB: 217935
Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 11:30 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		12	13.4		No odors or staining	0-0.6 – concrete slab
2-4		12	2.8		No odors or staining	0.-6-2 brown clay mixed with gravel (m,m,m)
4-6		24	3.0		No odors or staining	2-4 brown clay (l,st,m)
6-8		24	12.4		No odors or staining	4-9.1 brown red clay (l,st,m)
8-9.1		12	2.2		No odors or staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 9.1 ft due to laminated clays
Sample collected at 0.6-2 ft

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue, Alden, New York

BORING: SB-25
Sheet 1 of 1
JOB: 217935
Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 12:00 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		20	942		No odors or staining	0-0.6 – concrete slab
2-4		20	3,674		Strong solvent odor, no staining	0.-6-2 brown clay mixed with gravel (m,m,m) 2-4 gray clay silt (m,m)
4-6		24	524		Strong solvent odor, no staining	4-4.5 gray clay (l,st,m) 4.5-7.9 brown red clay (l,st,m)
6-7.9		23	275		Strong solvent odor, no staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 7.9 ft due to laminated clays
Sample collected at 0.6-2 ft and 2-4 ft

LABELLA Associates | Engineering Architecture Environmental Planning

300 Pearl Street, Suite 130

TEST BORING LOG

Phase II ESA

11075 Walden Avenue, Alden, New York

BORING: SB-26
Sheet 1 of 1
JOB: 217935
Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 12:55 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		18	46.1		No odors or staining	0-0.6 – concrete slab
2-4		18	6.2		No odors or staining	0.-6-2 gray clay silt mixed with gravel (m,m,m)
4-6		20	15.4		No odors or staining	2-4 gray clay (l,st,m)
6-8		20	10.2		No odors or staining	4-8 red brown clay (l,st,m)
8-8.7		7	1.7		No odors or staining	8-8.7 gray brown clay (l,st,m)

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 8.7 ft due to laminated clays
Sample collected at 0.6-2 ft

LABELLA Associates — Engineering Architecture Environmental Planning 300 Pearl Street, Suite 130	**TEST BORING LOG** Phase II ESA 11075 Walden Avenue, Alden, New York	**BORING: SB-27** Sheet 1 of 1 **JOB:** 217935 Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 13:45 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		18	4.4		No odors or staining	0-0.6 – concrete slab
2-4		18	4.6		No odors or staining	0.-6-2 brown gray clay silt mixed with gravel (m,m)
4-6		24	15.1		No odors or staining	2-4 brown clay (l,st,m)
6-7.8		24	4.2		No odors or staining	4-7.8 brown red clay (l,st,m)

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 7.8ft due to laminated clays
Sample collected at 4-6 ft

LABELLA Associates — Engineering Architecture Environmental Planning 300 Pearl Street, Suite 130	**TEST BORING LOG** Phase II ESA 11075 Walden Avenue, Alden, New York	**BORING: SB-28** Sheet 1 of 1 **JOB:** 217935 Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 14:10 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		18	6.2		No odors or staining	0-0.6 – concrete slab
2-4		18	4.6		No odors or staining	0.-6-4 brown clay silt mixed with gravel (m,m)
4-6		23	1.7		No odors or staining	4-7.8 brown red clay (l,st,m)
6-7.8		23	1.2		No odors or staining	

GROUNDWATER ENCOUNTERED

DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 7.8ft due to laminated clays
Sample collected at 0.6-2 ft

LABELLA Associates — Engineering Architecture Environmental Planning 300 Pearl Street, Suite 130	**TEST BORING LOG** Phase II ESA 11075 Walden Avenue, Alden, New York	**BORING: SB-28** Sheet 1 of 1 **JOB:** 217935 Checked by:

CONTRACTOR: LaBella Envir. LLC
DRILLER: Matt Pepe
LABELLA REPRESENTITIVE: Shannon Dalton
START DATE: 10/5/17 END DATE: 10/5/17
TIME: 15:40 to
DATUM:

TYPE OF DRILL RIG: 54 LT
AUGER SIZE AND TYPE:
OVERBURDEN SAMPLING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETER: ~
OTHER:

DEPTH (Feet)	BLOW COUNT	SAMPLE			REMARKS	VISUAL CLASSIFICATION
		SAMPLE RECOVERY (Inches)	PID FIELD SCREEN (Parts per million)	STRATA CHANGE		
0.6-2		15	4.4		No odors or staining	0-0.6 – concrete slab
2-4		15	3.8		No odors or staining	0.-6-1 brown clay silt mixed with gravel (m,m)
4-6		24	1.7		No odors or staining	1-4 brown gray clay (l,st,m)
6-7.8		24	1.4		No odors or staining	4-7.8 brown red clay (l,st,m)

GROUNDWATER ENCOUNTERED			
DATE	DEPTH	WELL INSTALLED	WELL ID

NOTES:
Refusal @ 7.8ft due to laminated clays
Sample collected at 0.6-2 ft

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Telephone: (716) 551-6281
Facsimile: (716) 551-6282

GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-1

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny 78° F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 14.68 Ft.
Static Water Level: 1.95 Ft. bgs
One Well Volume: 2.0 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 3.0 Gallons Purged DRY @ 3.0 gals.

Purge Time Start: 850
Purge Time End: 905

WELL SAMPLING

Sample I.D.: MW-1
No. of Containers: 3
Sample Time: 915
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-1

Recharge Behavior: ☑ Fast ☐ Moderate ☐ Slow ☐ Purged Dry

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-2

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny 78°F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 12.2 Ft.
Static Water Level: 11.68 Ft. bgs
One Well Volume: 0.0832 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 0.25 Gallons Purged

Purge Time Start: 930
Purge Time End: 940

WELL SAMPLING

Sample I.D.: MW-2
No. of Containers: 8 2
Sample Time: 945
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-3
* Only got 2 of 3 VOC vials due to low water level & slow recharge

Recharge Behavior: ☐ Fast ☐ Moderate ☑ Slow ☐ Purged Dry

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-3

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny, 78° F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 14.75 Ft.
Static Water Level: 3.4 Ft. bgs
One Well Volume: 1.82 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 3.0 Gallons Purged DRY @ 3.0 gal.

Purge Time Start: 1015
Purge Time End: 10-25

WELL SAMPLING

Sample I.D.: MW-3
No. of Containers: 3
Sample Time: 1030
Sample Preservation: HCl

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-4

Recharge Behavior: ☐ Fast ☑ Moderate ☐ Slow ☐ Purged Dry

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-4

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny 78° F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 14.65 Ft.
Static Water Level: 13.62 Ft. bgs
One Well Volume: 0.17 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 0.85 Gallons Purged

Purge Time Start: 1045
Purge Time End: 1055

WELL SAMPLING

Sample I.D.: MW-4
No. of Containers: 3
Sample Time: 1100
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-6

Recharge Behavior: ☐ Fast ☐ Moderate ☑ Slow ☐ Purged Dry

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-5

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny, 78° F

PURGE VOLUME CALCULATION

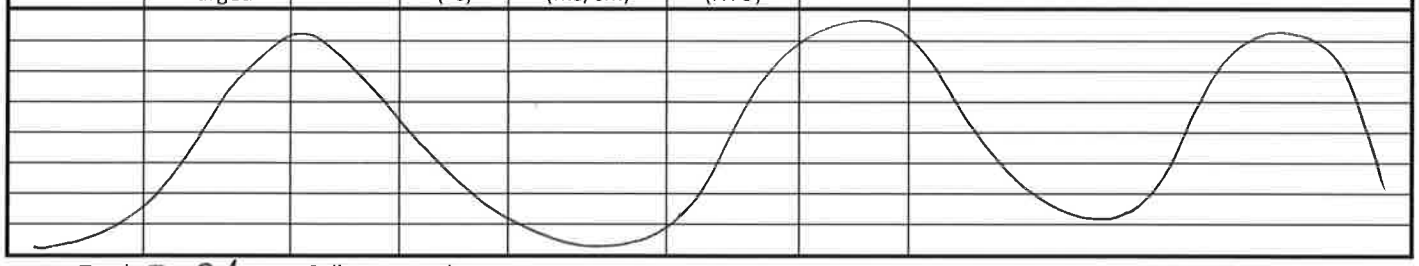
Well Diameter: 2"
Depth of Well: 14.65 Ft.
Static Water Level: 14.14 Ft. bgs
One Well Volume: 0.08 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments



Total 0.24 Gallons Purged

Purge Time Start: 1110
Purge Time End: 1120

WELL SAMPLING

Sample I.D.: MW-5
No. of Containers: 2
Sample Time: 1125
Sample Preservation: HCl

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-7
* only got 1 full vial & 1 mostly full vial.

Recharge Behavior: ☐ Fast ☐ Moderate ☐ Slow ☑ Purged Dry

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-6

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny 78° F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 14.35 Ft.
Static Water Level: 13.65 Ft. bgs
One Well Volume: 0.112 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 0.336 Gallons Purged

Purge Time Start: 1140
Purge Time End: 1155

WELL SAMPLING

Sample I.D.: MW-6
No. of Containers: 3
Sample Time: 1200
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-8

Recharge Behavior: ☐ Fast ☐ Moderate ☑ Slow ☐ Purged Dry

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-7

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/2/2017
Weather: Sunny, 78° F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 14.6 Ft.
Static Water Level: 13.45 Ft. bgs
One Well Volume: 0.18 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 0.54 Gallons Purged

Purge Time Start: 1220
Purge Time End: 1230

WELL SAMPLING

Sample I.D.: MW-7
No. of Containers: 3
Sample Time: 1240
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # MW-13A

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

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-8

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny, 78° F

PURGE VOLUME CALCULATION

Well Diameter: 2"
Depth of Well: 14.6 Ft.
Static Water Level: 14.09 Ft. bgs
One Well Volume: 0.085 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments

Total 0.25 Gallons Purged

Purge Time Start: 1245
Purge Time End: 1255

WELL SAMPLING

Sample I.D.: MW-8
No. of Containers: 3
Sample Time: 1300
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-14

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

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GROUNDWATER COLLECTION AND SAMPLE LOG

WELL I.D.: MW-9

Project Name: 11075 Walden Avenue, Lancaster, New York Phase II Investigation
Location: 11075 Walden Avenue, Lancaster, New York
Project No.: 2171362
Sampled By: Jessica Dombrowski
Date: 6/12/2017
Weather: Sunny, 78° F

PURGE VOLUME CALCULATION

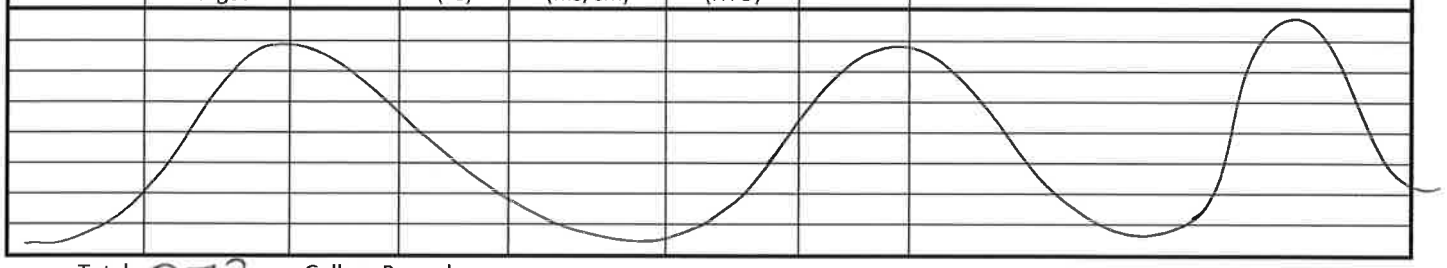
Well Diameter: 2"
Depth of Well: 14.65 Ft.
Static Water Level: 13.15 Ft. bgs
One Well Volume: 0.24 Gallons

PURGE AND SAMPLING METHOD

☒ Bailer – Type:
Sampling Device:
☐ Pump – Type:
Pump Rate:

FIELD PARAMETER MEASUREMENT

Time	Gallons Purged	pH	Temp (°C)	Conductivity (mS/cm)	Turbidity (NTU)		Comments



Total 0.72 Gallons Purged

Purge Time Start: 1335
Purge Time End: 1400

WELL SAMPLING

Sample I.D.: MW-9
No. of Containers: 3
Sample Time: 14:05
Sample Preservation: HCL

Sampled For:
☒ VOCs - 8260 TCL
☐ PAHs - 8270
☐ DRO & GRO - 8015
☐ Total RCRA Metals
☐ PCBs
☐ Other:

OBSERVATIONS

Notes: Well was installed in Boring # SB-16

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

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PROJECT
Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-1**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

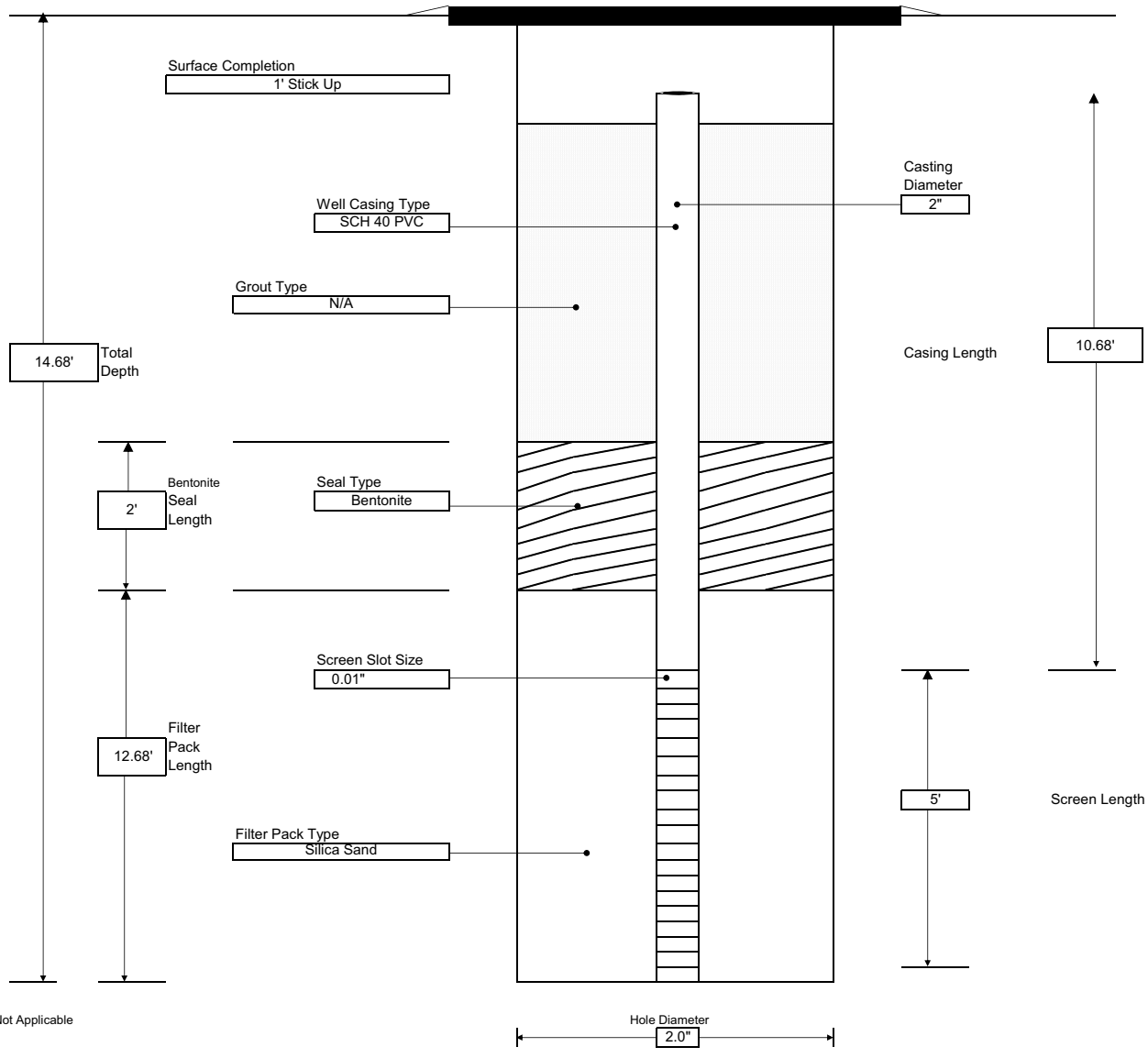
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-1
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/12/2017 END DATE: 6/12/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	850	1.95	14.68	



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.

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PROJECT
Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-2**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

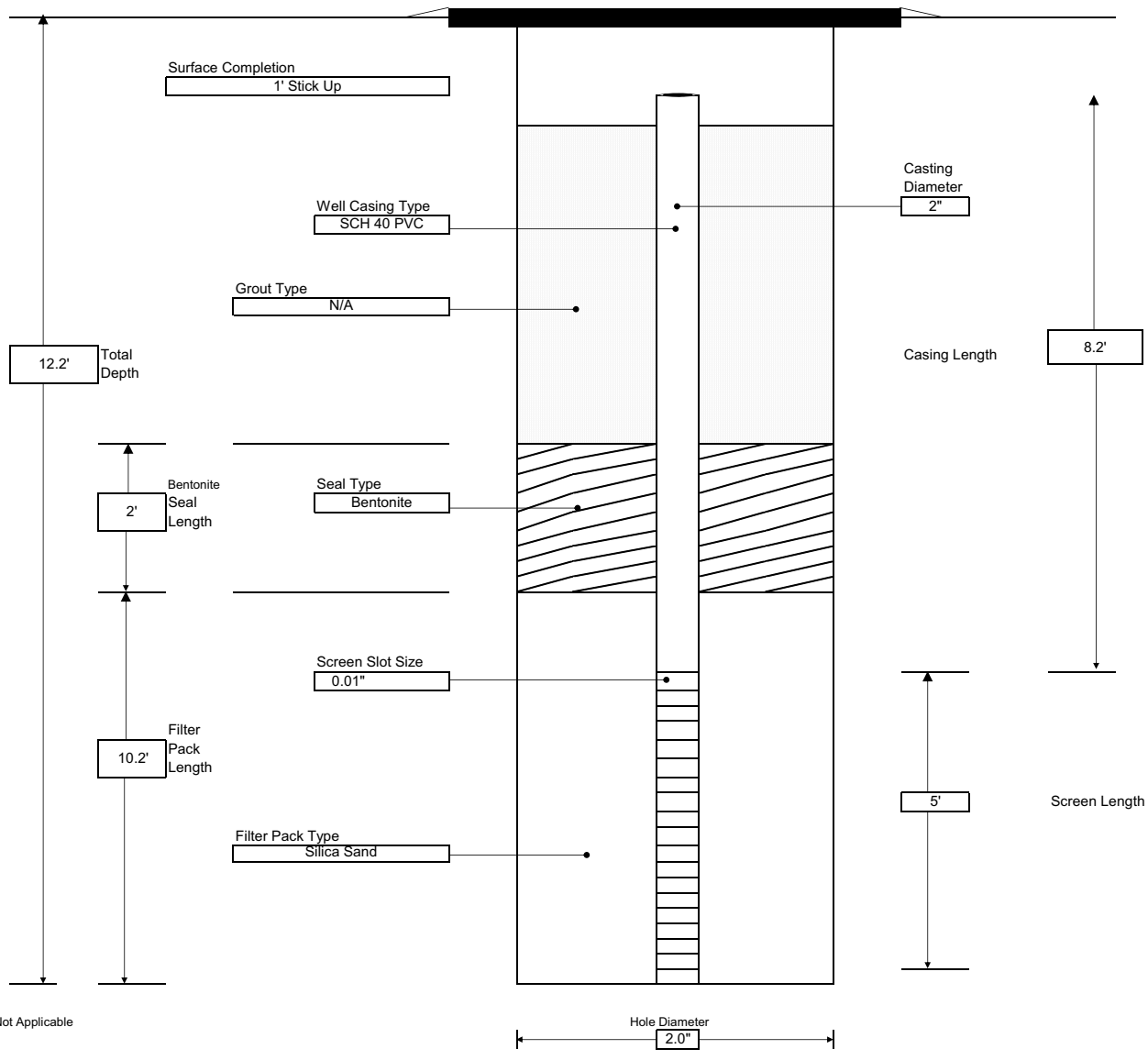
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-3
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/8/2017 END DATE:6/8/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	930	11.68	12.2	



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.

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Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-3**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

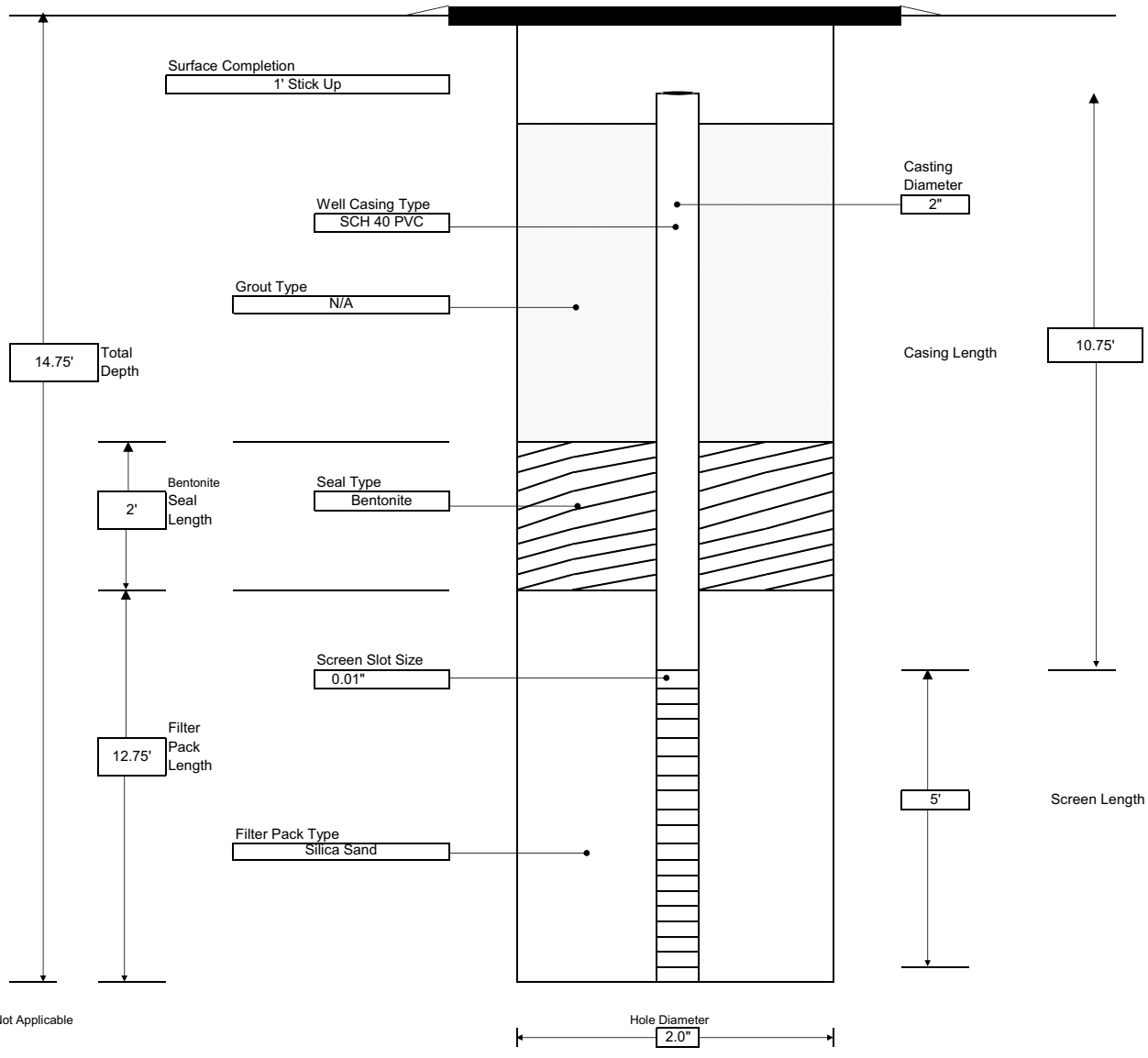
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-4
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/8/2017 END DATE:6/8/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1015	3.4	14.75	



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.

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Well ID: **MW-4**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

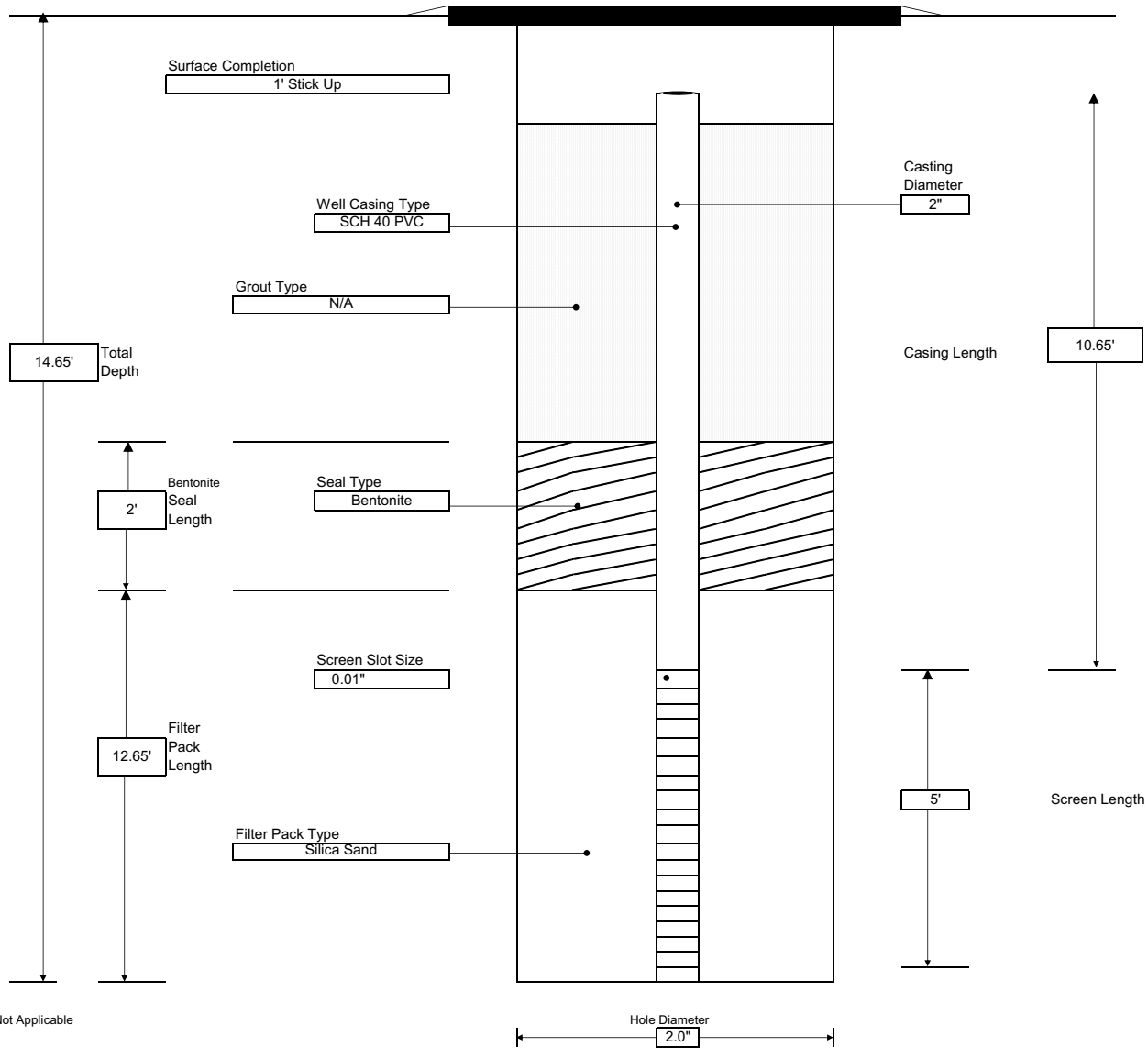
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-6
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/8/2017 END DATE:6/8/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1045	13.62	14.65	



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.

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PROJECT
Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-5**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

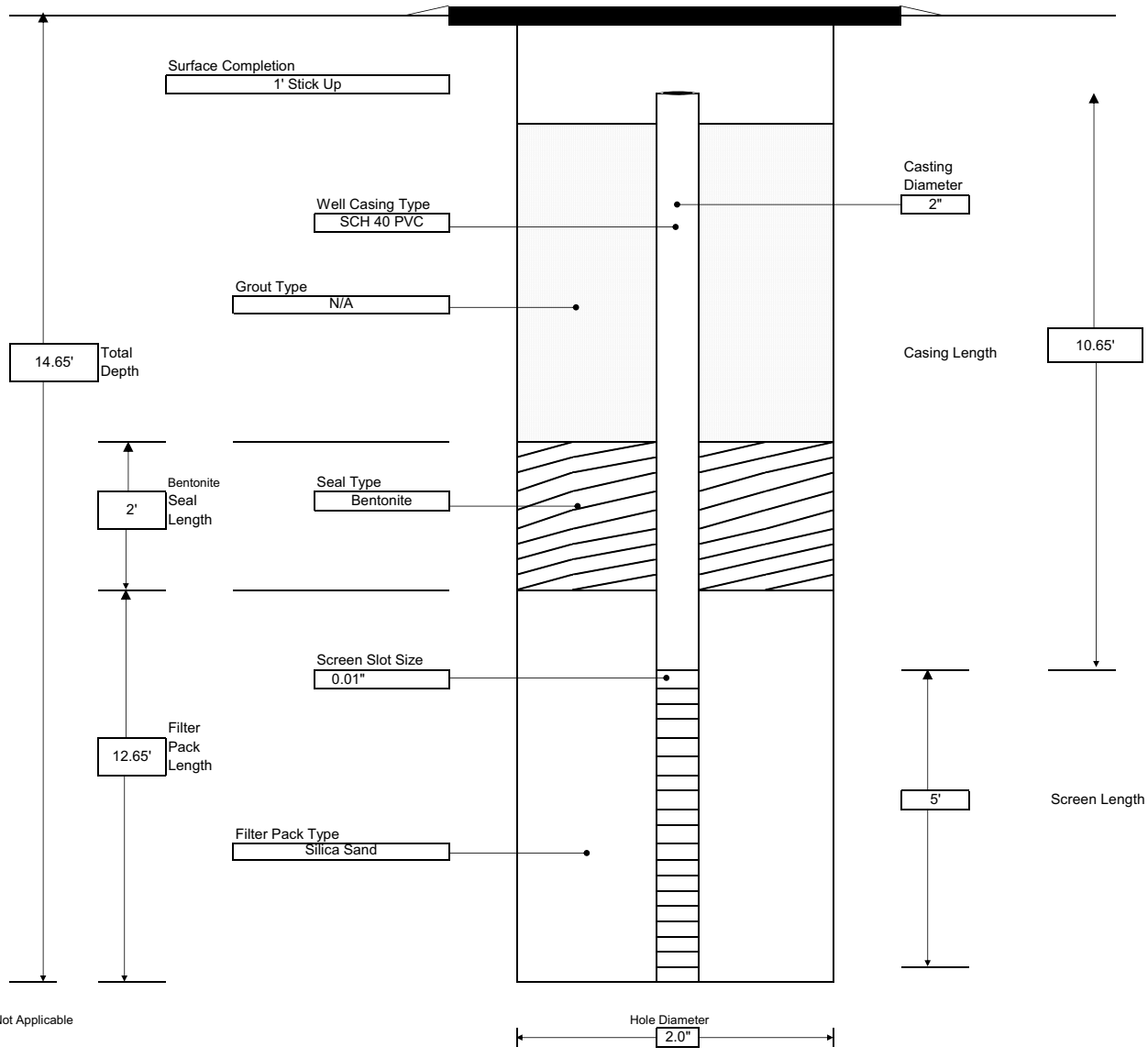
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-7
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/9/2017 END DATE:6/9/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1110	14.14	14.65	



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.

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PROJECT
Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-6**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

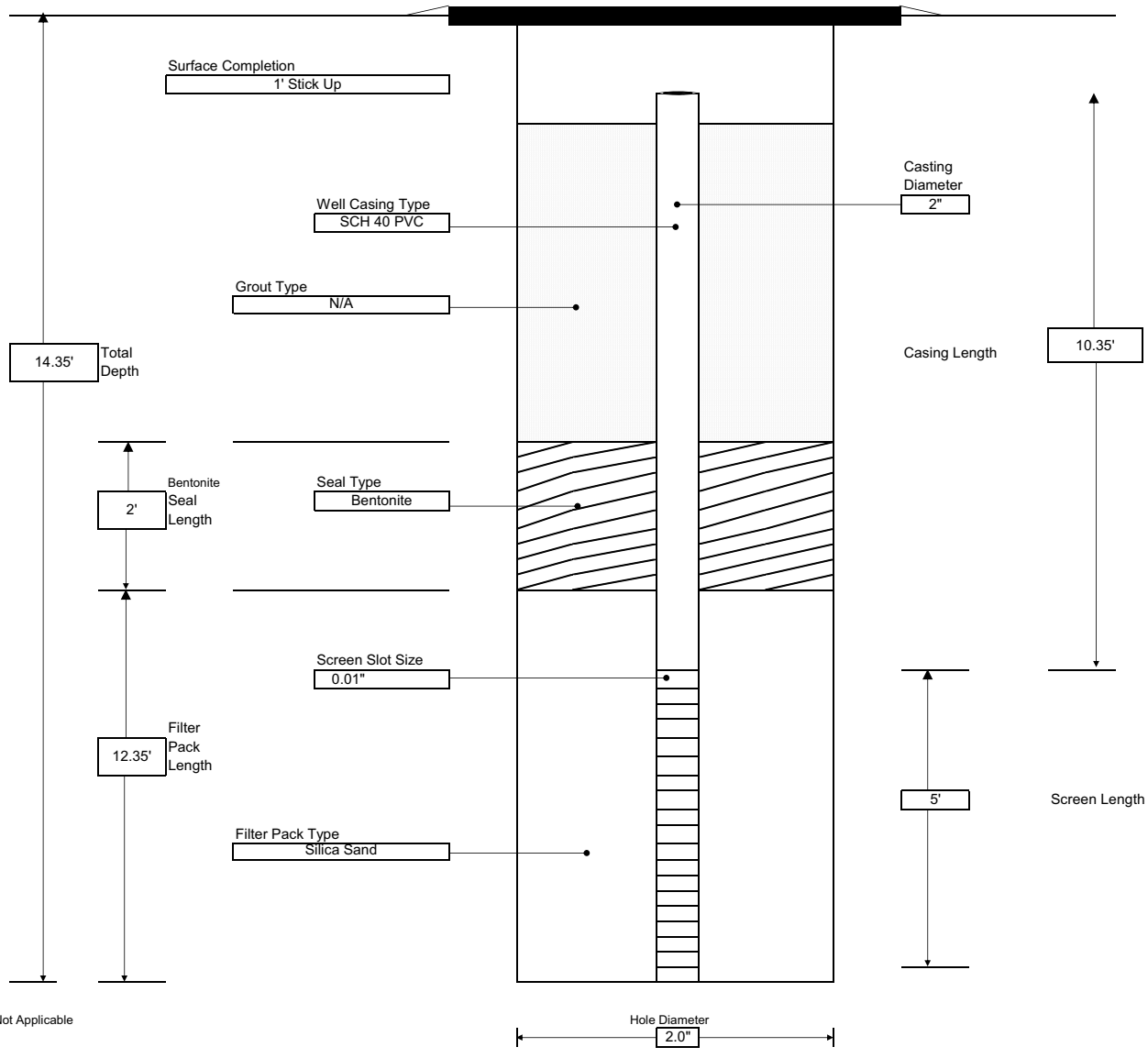
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-8
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/9/2017 END DATE:6/9/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1110	14.14	14.65	



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.

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PROJECT
Phase II Environmental Site Assessment
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Alden, New York 14004

Well ID: **MW-7**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

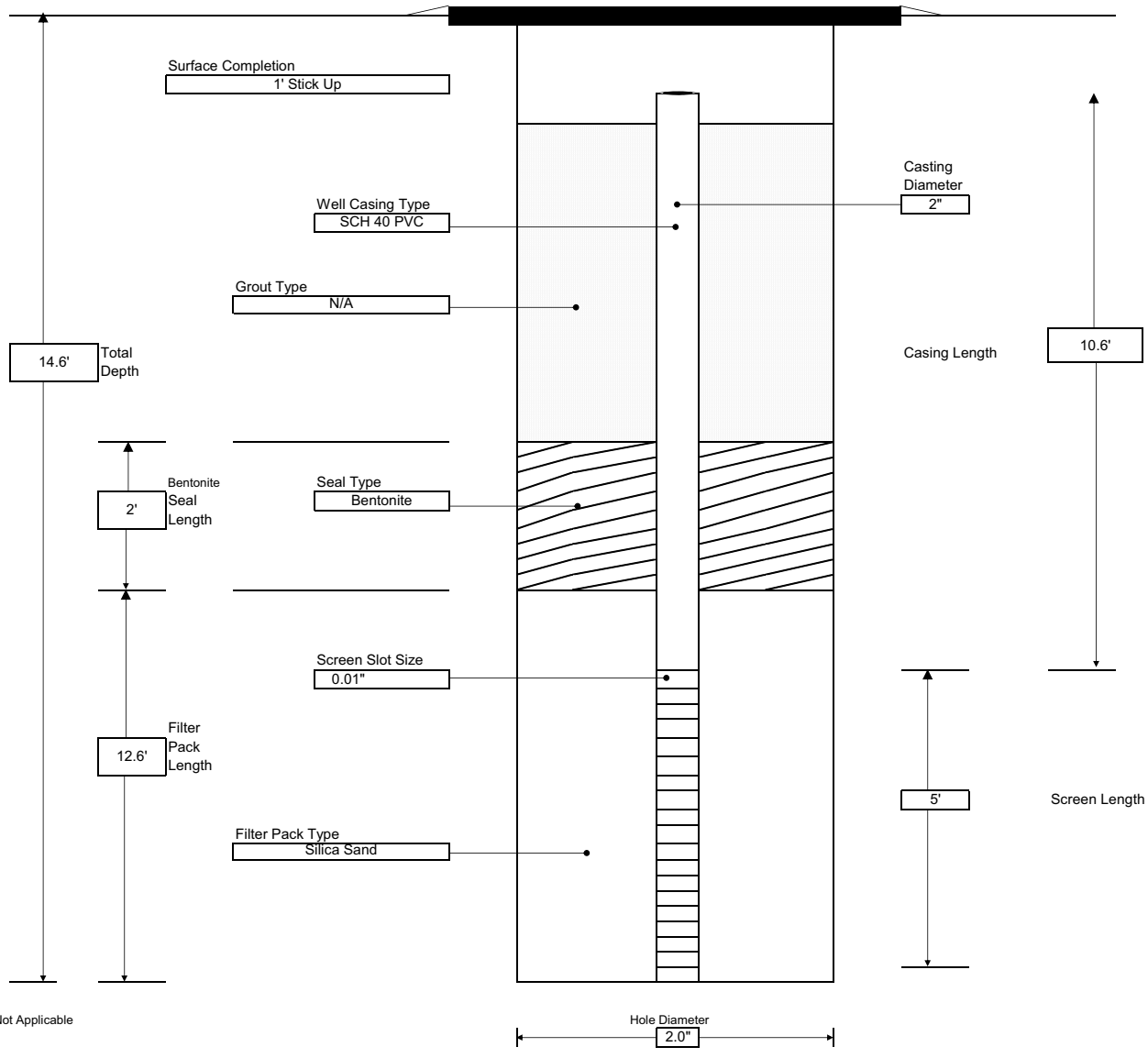
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-13A
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/9/2017 END DATE:6/9/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1220	13.45	14.6	



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
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-8**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

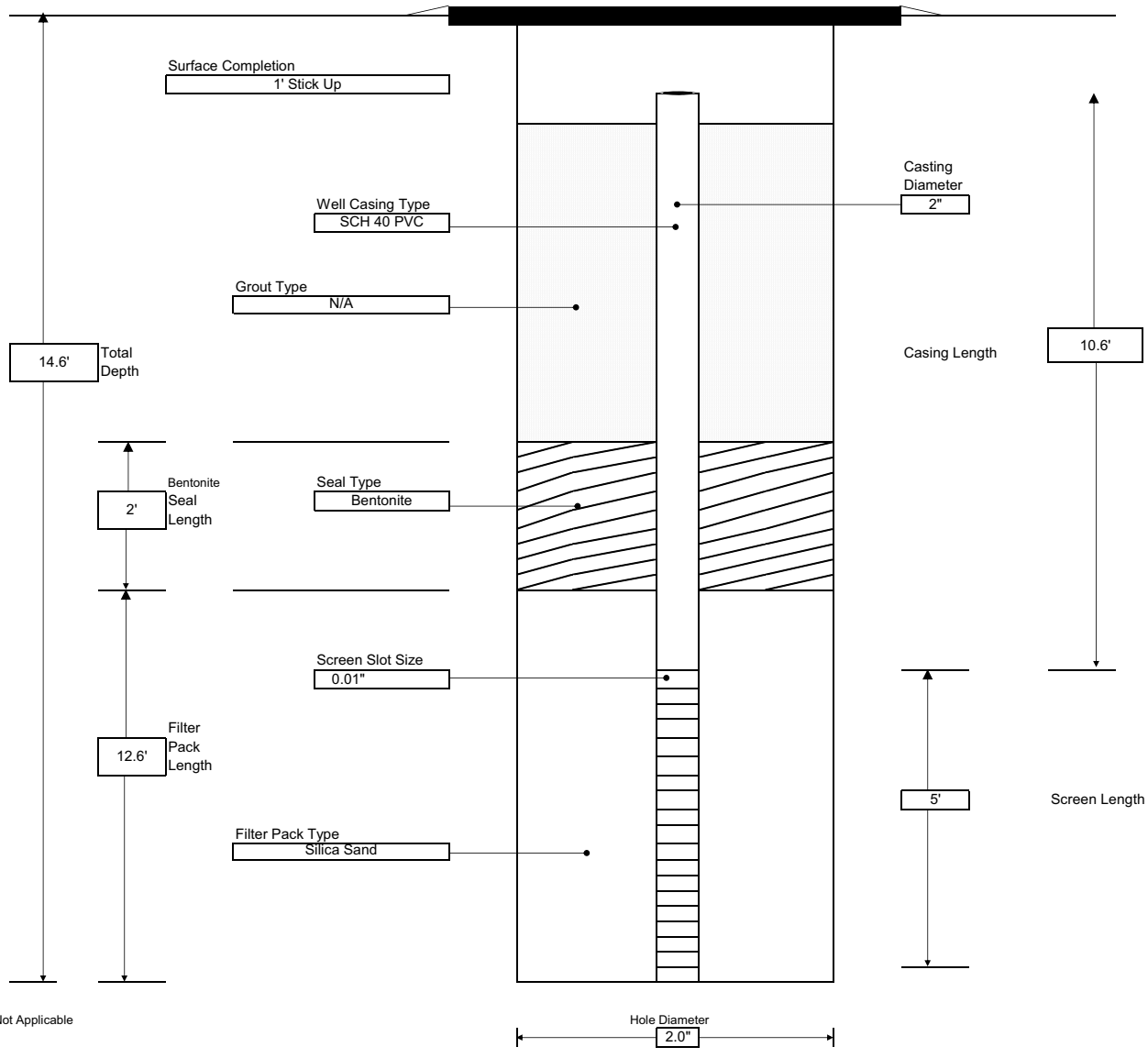
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-14
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/9/2017 END DATE:6/9/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1245	14.07	14.6	



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
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Phase II Environmental Site Assessment
11075 Walden Avenue
Alden, New York 14004

Well ID: **MW-9**
SHEET 1 OF 1
JOB # 2171362
CHKD. BY:

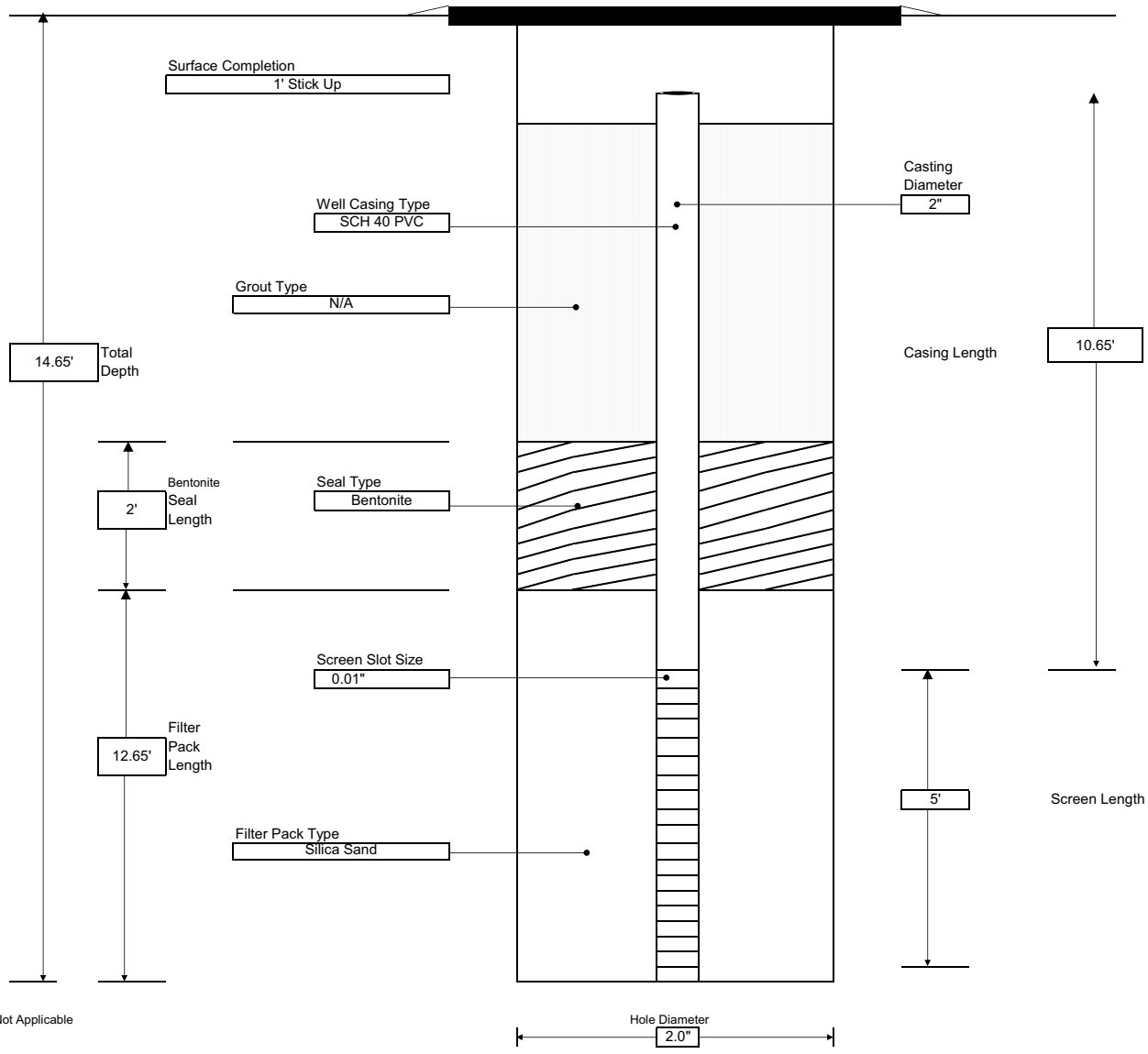
CONTRACTOR: LaBella LLC
DRILLER: Matt Pepe
LABELLA REPRESENTATIVE: Jessica Dombrowski

BORING LOCATION: SB-16
GROUND SURFACE ELEVATION: DATUM: Top of Riser
START DATE: 6/9/2017 END DATE:6/9/2017

TYPE OF DRILL RIG:
AUGER SIZE AND TYPE: 2 inch Direct Push
OVERBURDEN SAMPLING METHOD:5-foot MacroCore® sampler
ROCK DRILLING METHOD: N/A

WATER LEVEL DATA

DATE	TIME	WATER	CASING	REMARKS
6/12/2017	1335	13.15	14.65	



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. | Engineering Architecture Environmental Planning

APPENDIX 2

New York State Department of Health
Indoor Air Quality Questionnaire and
Building Inventory Form

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Shannon Dalton Date/Time Prepared 8/3/9:00

Preparer's Affiliation LaBella Associates Phone No. 716-710-3043

Purpose of Investigation Vapor Intrusion assement for 11075 Walden Ave

1. OCCUPANT:

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response) currently vacant

Residential	School	(Commercial) / Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response) N/A

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? N/A

If the property is commercial, type?

Business Type(s) vacant old Doritex Building

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 2 Building age unknown

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

doorways, bay doors, windows

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other Small basement with boilers
c. Basement floor:	concrete	dirt	stone	other _____ unknown
d. Basement floor:	uncovered	covered	covered with _____ unknown	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy unknown
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

drains, holes in floor

_____

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Steam radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

Air supply vents run east to west located in middle portion of site Building

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Small old basement with old boilers
1st Floor	vacant / old dorites facility
2nd Floor	vacant / storage
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? Y / (N) When & Type?_____

i. Have cosmetic products been used recently? Y / (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N N/A vacant
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response) N/A vacant buildings

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) N/A

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

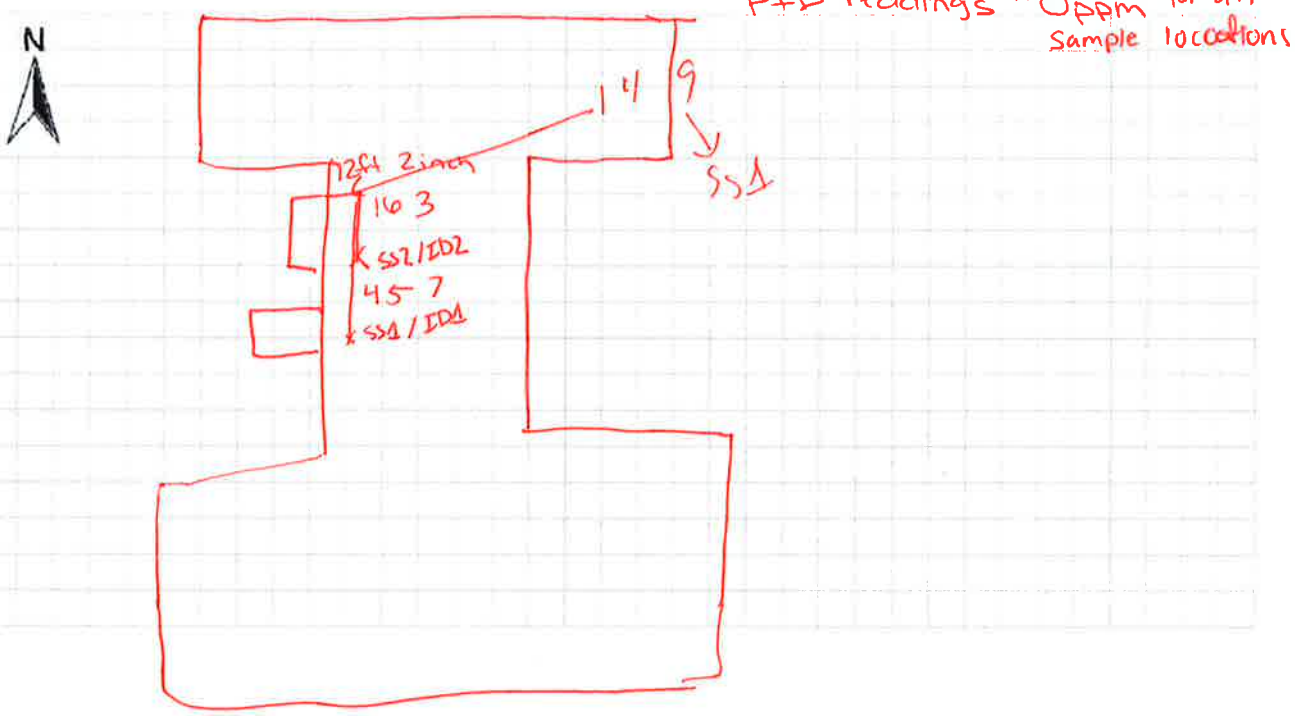
Basement:

N/A

N

First Floor:

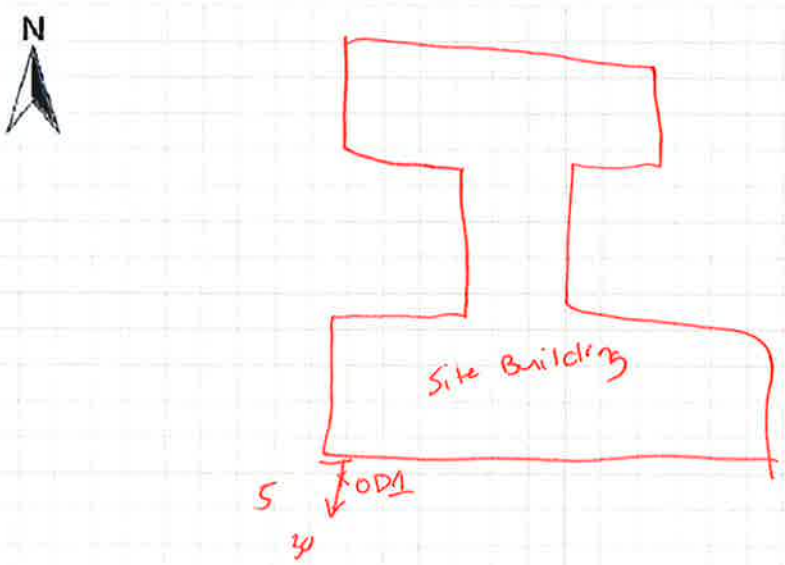
PFD readings - Oppm for all sample locations



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

None vacant buildings

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Shannon Dalton Date/Time Prepared 10/4

Preparer's Affiliation LaBella Associates Phone No. 716-710-3043

Purpose of Investigation vapor Intrusion assessment

1. OCCUPANT:

Interviewed: Y (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response) vacant

Residential	School	(Commercial)/Multi-use
Industrial	Church	Other: _____

If the property is residential, type? (Circle appropriate response) N/A

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) vacant Doritex Building

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 2 Building age_____

Is the building insulated? (Y) N How air tight? Tight (Average) Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

doorways, bay doors, windows

Airflow near source

Outdoor air infiltration

Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	brick
b. Basement type:	full	crawlspace	slab	other Small partial basement
c. Basement floor:	concrete	dirt	stone	other unknown
d. Basement floor:	uncovered	covered	covered with unknown	
e. Concrete floor:	unsealed	sealed	sealed with _____	
f. Foundation walls:	poured	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with _____	
h. The basement is:	wet	damp	dry	moldy unknown
i. The basement is:	finished	unfinished	partially finished	
j. Sump present?	Y / N			
k. Water in sump?	Y / N / not applicable			

Basement/Lowest level depth below grade: _____(feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

drains, cracks in floor

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
Space Heaters	Steam radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in:	Basement	Outdoors	Main Floor	Other_____
Air conditioning:	Central Air	Window units	Open Windows	None

Are there air distribution ducts present? (Y) N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

airway supply vents run east to west
located in middle portion of Site Building

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Small old basement w/ old boilers
1st Floor	vacant
2nd Floor	vacant
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y / (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?_____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?_____

g. Is there smoking in the building? Y / (N) How frequently?_____

h. Have cleaning products been used recently? Y / (N) When & Type?_____

i. Have cosmetic products been used recently? Y / (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / N Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / N Where & When? _____

l. Have air fresheners been used recently? Y / N When & Type? _____

m. Is there a kitchen exhaust fan? Y / N If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / N If yes, where vented? _____

o. Is there a clothes dryer? Y / N If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / N When & Type? _____

Are there odors in the building? Y / N
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	Public Water	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	Public Sewer	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

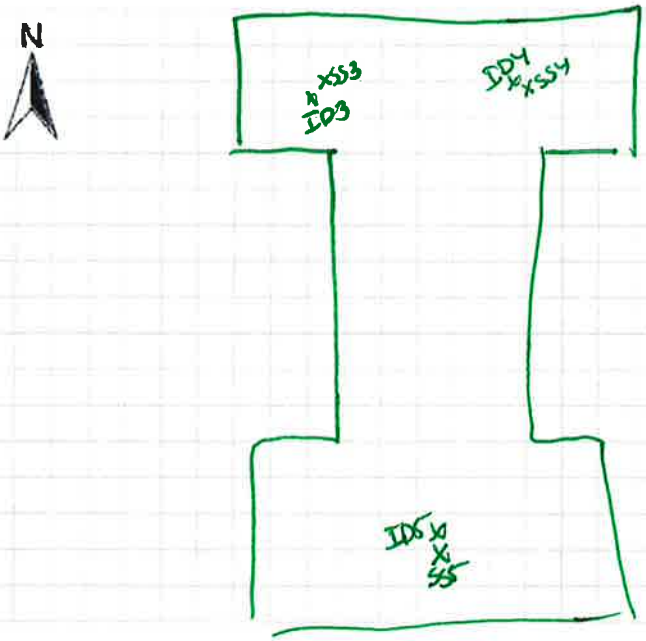
d. Relocation package provided and explained to residents? Y / N

11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:



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Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

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13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

None vacant

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

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

APPENDIX 3

Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L1719513
Client:	LaBella Associates, P.C. 300 Pearl Street Suite 252 Buffalo, NY 14202
ATTN:	Adam Zebrowski
Phone:	(716) 551-6281
Project Name:	11075 WALDEN AVENUE
Project Number:	2171362
Report Date:	06/19/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719513
Report Date: 06/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1719513-01	MW-1	WATER	ALDEN, NY	06/12/17 09:15	06/12/17
L1719513-02	MW-2	WATER	ALDEN, NY	06/12/17 09:45	06/12/17
L1719513-03	MW-3	WATER	ALDEN, NY	06/12/17 10:30	06/12/17
L1719513-04	MW-4	WATER	ALDEN, NY	06/12/17 11:00	06/12/17
L1719513-05	MW-5	WATER	ALDEN, NY	06/12/17 11:25	06/12/17
L1719513-06	MW-6	WATER	ALDEN, NY	06/12/17 12:00	06/12/17
L1719513-07	MW-7	WATER	ALDEN, NY	06/12/17 12:40	06/12/17
L1719513-08	MW-8	WATER	ALDEN, NY	06/12/17 13:00	06/12/17
L1719513-09	MW-9	WATER	ALDEN, NY	06/12/17 14:05	06/12/17

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513
Project Number: 2171362 **Report Date:** 06/19/17

Case Narrative

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

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

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

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

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

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

Project Name:	11075 WALDEN AVENUE	**Lab Number:**	L1719513
Project Number:	2171362	**Report Date:**	06/19/17

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/19/17

ORGANICS

VOLATILES

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-01
Client ID: MW-1
Sample Location: ALDEN, NY

Date Collected: 06/12/17 09:15
Date Received: 06/12/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 12:47
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.36	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.34	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-01 Date Collected: 06/12/17 09:15

Client ID: MW-1 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	18		ug/l	5.0	1.5	1
Carbon disulfide	1.3	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-02
Client ID: MW-2
Sample Location: ALDEN, NY

Date Collected: 06/12/17 09:45
Date Received: 06/12/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 13:16
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.34	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-02 Date Collected: 06/12/17 09:45

Client ID: MW-2 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	110		ug/l	5.0	1.5	1
Carbon disulfide	3.0	J	ug/l	5.0	1.0	1
2-Butanone	27		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-03 Date Collected: 06/12/17 10:30
Client ID: MW-3 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 13:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.31	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.50		ug/l	0.50	0.16	1
Toluene	0.75	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-03 Date Collected: 06/12/17 10:30

Client ID: MW-3 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	18		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	4.2	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.43	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.63	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-04 Date Collected: 06/12/17 11:00
Client ID: MW-4 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 14:13
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.23	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-04 Date Collected: 06/12/17 11:00

Client ID: MW-4 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	63		ug/l	5.0	1.5	1
Carbon disulfide	1.8	J	ug/l	5.0	1.0	1
2-Butanone	15		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-05 Date Collected: 06/12/17 11:25
Client ID: MW-5 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 14:42
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.38	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-05 Date Collected: 06/12/17 11:25

Client ID: MW-5 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	58		ug/l	5.0	1.5	1
Carbon disulfide	13		ug/l	5.0	1.0	1
2-Butanone	11		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.41	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-06 Date Collected: 06/12/17 12:00
Client ID: MW-6 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 15:11
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.24	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-06 Date Collected: 06/12/17 12:00

Client ID: MW-6 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	76		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	14		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-07 Date Collected: 06/12/17 12:40
Client ID: MW-7 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 15:39
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-07 Date Collected: 06/12/17 12:40

Client ID: MW-7 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	62		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	14		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	2.0	J	ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-08 Date Collected: 06/12/17 13:00
Client ID: MW-8 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 16:08
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.89		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.28	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-08 Date Collected: 06/12/17 13:00

Client ID: MW-8 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	47		ug/l	5.0	1.5	1
Carbon disulfide	3.6	J	ug/l	5.0	1.0	1
2-Butanone	12		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-09 Date Collected: 06/12/17 14:05
Client ID: MW-9 Date Received: 06/12/17
Sample Location: ALDEN, NY Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/15/17 16:36
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	0.18	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

SAMPLE RESULTS

Lab ID: L1719513-09 Date Collected: 06/12/17 14:05

Client ID: MW-9 Date Received: 06/12/17

Sample Location: ALDEN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	30		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	5.8		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 12:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1013557-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 12:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1013557-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 12:19
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1013557-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719513
Report Date: 06/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1013557-3 WG1013557-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	96		93		70-130	3		20
Chloroform	97		94		70-130	3		20
Carbon tetrachloride	100		98		63-132	2		20
1,2-Dichloropropane	88		87		70-130	1		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	91		91		70-130	0		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	90		88		75-130	2		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	98		97		70-130	1		20
1,1,1-Trichloroethane	99		96		67-130	3		20
Bromodichloromethane	93		94		67-130	1		20
trans-1,3-Dichloropropene	95		92		70-130	3		20
cis-1,3-Dichloropropene	96		94		70-130	2		20
Bromoform	94		91		54-136	3		20
1,1,2,2-Tetrachloroethane	85		85		67-130	0		20
Benzene	96		94		70-130	2		20
Toluene	90		88		70-130	2		20
Ethylbenzene	88		86		70-130	2		20
Chloromethane	120		120		64-130	0		20
Bromomethane	110		110		39-139	0		20
Vinyl chloride	130		120		55-140	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719513
Report Date: 06/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1013557-3 WG1013557-4								
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	97		93		70-130	4		20
1,2-Dichlorobenzene	88		89		70-130	1		20
1,3-Dichlorobenzene	90		89		70-130	1		20
1,4-Dichlorobenzene	87		88		70-130	1		20
Methyl tert butyl ether	110		100		63-130	10		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	250	Q	240	Q	36-147	4		20
Acetone	93		94		58-148	1		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	100		100		63-138	0		20
4-Methyl-2-pentanone	83		83		59-130	0		20
2-Hexanone	78		76		57-130	3		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	96		94		70-130	2		20
1,2-Dibromo-3-chloropropane	83		81		41-144	2		20
Isopropylbenzene	88		87		70-130	1		20
1,2,3-Trichlorobenzene	80		70		70-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719513
Report Date: 06/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1013557-3 WG1013557-4								
1,2,4-Trichlorobenzene	76		74		70-130	3		20
Methyl Acetate	95		87		70-130	9		20
Cyclohexane	90		88		70-130	2		20
1,4-Dioxane	122		106		56-162	14		20
Freon-113	110		100		70-130	10		20
Methyl cyclohexane	94		91		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		99		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	103		103		70-130

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719513
Report Date: 06/19/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1719513-01A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-01B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-01C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-02A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-02B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-03A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-03B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-03C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-04A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-04B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-04C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-05A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-05B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-06A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-06B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-06C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-07A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-07B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-07C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-08A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-08B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-08C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-09A	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719513
Report Date: 06/19/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1719513-09B	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)
L1719513-09C	Vial HCl preserved	A	NA		2.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	11075 WALDEN AVENUE	Lab Number:	L1719513
Project Number:	2171362	Report Date:	06/19/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	11075 WALDEN AVENUE	**Lab Number:**	L1719513
Project Number:	2171362	**Report Date:**	06/19/17

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719513

Project Number: 2171362 **Report Date:** 06/19/17

REFERENCES

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

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/13/17

ALPHA Job #: L1719513

Client Information
Client: Labella Associates
Address: 300 Pearl Street, Suite 120 Buffalo, NY 14202
Phone: 716-710-3038
Fax: 716-881-6282
Email: jdombrowski@labellapc.com

Project Information
Project Name: 1105 Walden Avenue
Project Location: Alden, NY
Project # 2171362
(Use Project name as Project #) ☐
Project Manager: Adam Zebrowski
ALPHAQuote #:

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

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

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260C	Sample Specific Comments	Total Bottle
19513-01	MW-1	6/12/17	915	GW	JLD	X		3
02	MW-2	6/12/17	945	GW	JLD	X		2
03	MW-3	6/12/17	1030	GW	JLD	X		3
04	MW-4	6/12/17	1100	GW	JLD	X		3
05	MW-5	6/12/17	1125	GW	JLD	X		2
06	MW-6	6/12/17	1200	GW	JLD	X		3
07	MW-7	6/12/17	1240	GW	JLD	X		3
08	MW-8	6/12/17	1300	GW	JLD	X		3
09	MW-9	6/12/17	1405	GW	JLD	X		3

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	6/12/17 1440		6.12.17 1440
	6.12.17 1440		6/13/17 00:20

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

ANALYTICAL REPORT

Lab Number:	L1719393
Client:	LaBella Associates, P.C. 300 Pearl Street Suite 252 Buffalo, NY 14202
ATTN:	Adam Zebrowski
Phone:	(716) 551-6281
Project Name:	11075 WALDEN AVENUE
Project Number:	2171362
Report Date:	06/16/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

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

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1719393-01	SB-1D0.31	SOIL	ALDEN, NY 14004	06/08/17 09:00	06/09/17
L1719393-02	SB-2D12	SOIL	ALDEN, NY 14004	06/08/17 10:15	06/09/17
L1719393-03	SB-3D910	SOIL	ALDEN, NY 14004	06/08/17 11:15	06/09/17
L1719393-04	SB-4D56	SOIL	ALDEN, NY 14004	06/08/17 12:15	06/09/17
L1719393-05	SB-6D1011	SOIL	ALDEN, NY 14004	06/08/17 15:00	06/09/17
L1719393-06	SB-7D45	SOIL	ALDEN, NY 14004	06/08/17 17:00	06/09/17
L1719393-07	SB-8D23	SOIL	ALDEN, NY 14004	06/08/17 17:30	06/09/17
L1719393-08	SB-11D12	SOIL	ALDEN, NY 14004	06/09/17 08:15	06/09/17
L1719393-09	SB-12D0.61	SOIL	ALDEN, NY 14004	06/09/17 08:45	06/09/17
L1719393-10	SB-13AD23	SOIL	ALDEN, NY 14004	06/09/17 11:00	06/09/17
L1719393-11	SB-14D89	SOIL	ALDEN, NY 14004	06/09/17 12:30	06/09/17
L1719393-12	SB-16D12	SOIL	ALDEN, NY 14004	06/09/17 13:50	06/09/17

Project Name:	11075 WALDEN AVENUE	**Lab Number:**	L1719393
Project Number:	2171362	**Report Date:**	06/16/17

Case Narrative

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

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

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

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

HOLD POLICY

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

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

Project Name:	11075 WALDEN AVENUE	**Lab Number:**	L1719393
Project Number:	2171362	**Report Date:**	06/16/17

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1719393-07: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (59%) is below the acceptance criteria; however, re-analysis yielded no internal standard or surrogate recoveries. The results of the original analysis are reported. A high-level analysis was performed and those results are also reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/16/17

ORGANICS

VOLATILES

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-01 Date Collected: 06/08/17 09:00
Client ID: SB-1D0.31 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 09:44
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.27	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.34	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	1.3		ug/kg	1.0	0.30	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35	1
Bromodichloromethane	ND		ug/kg	1.0	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
Benzene	ND		ug/kg	1.0	0.19	1
Toluene	0.24	J	ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.17	1
Chloromethane	ND		ug/kg	5.0	0.44	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24	1
Trichloroethene	ND		ug/kg	1.0	0.30	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-01 Date Collected: 06/08/17 09:00

Client ID: SB-1D0.31 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	0.15	1
p/m-Xylene	ND		ug/kg	2.0	0.35	1
o-Xylene	ND		ug/kg	2.0	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	10	0.50	1
Acetone	2.7	J	ug/kg	10	2.3	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.69	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
2-Hexanone	ND		ug/kg	10	0.67	1
Bromochloromethane	ND		ug/kg	5.0	0.36	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40	1
Isopropylbenzene	ND		ug/kg	1.0	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22	1
Methyl Acetate	ND		ug/kg	20	0.46	1
Cyclohexane	0.44	J	ug/kg	20	0.43	1
1,4-Dioxane	ND		ug/kg	40	14.	1
Freon-113	ND		ug/kg	20	0.52	1
Methyl cyclohexane	0.58	J	ug/kg	4.0	0.24	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-03 Date Collected: 06/08/17 11:15
Client ID: SB-3D910 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 10:10
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.20	1
Chloroform	ND		ug/kg	1.1	0.27	1
Carbon tetrachloride	ND		ug/kg	0.74	0.25	1
1,2-Dichloropropane	ND		ug/kg	2.6	0.17	1
Dibromochloromethane	ND		ug/kg	0.74	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	0.74	0.22	1
Chlorobenzene	ND		ug/kg	0.74	0.26	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.74	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.26	1
Bromodichloromethane	ND		ug/kg	0.74	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.17	1
Bromoform	ND		ug/kg	3.0	0.17	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.22	1
Benzene	ND		ug/kg	0.74	0.14	1
Toluene	ND		ug/kg	1.1	0.14	1
Ethylbenzene	ND		ug/kg	0.74	0.12	1
Chloromethane	ND		ug/kg	3.7	0.32	1
Bromomethane	ND		ug/kg	1.5	0.25	1
Vinyl chloride	ND		ug/kg	1.5	0.23	1
Chloroethane	ND		ug/kg	1.5	0.23	1
1,1-Dichloroethene	ND		ug/kg	0.74	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.18	1
Trichloroethene	ND		ug/kg	0.74	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	0.13	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-03 Date Collected: 06/08/17 11:15

Client ID: SB-3D910 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	0.11	1
p/m-Xylene	ND		ug/kg	1.5	0.26	1
o-Xylene	ND		ug/kg	1.5	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	0.25	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	7.4	0.37	1
Acetone	ND		ug/kg	7.4	1.7	1
Carbon disulfide	ND		ug/kg	7.4	0.81	1
2-Butanone	ND		ug/kg	7.4	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	0.18	1
2-Hexanone	ND		ug/kg	7.4	0.49	1
Bromochloromethane	ND		ug/kg	3.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	3.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	0.29	1
Isopropylbenzene	ND		ug/kg	0.74	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	0.16	1
Methyl Acetate	ND		ug/kg	15	0.34	1
Cyclohexane	ND		ug/kg	15	0.32	1
1,4-Dioxane	ND		ug/kg	30	11.	1
Freon-113	ND		ug/kg	15	0.38	1
Methyl cyclohexane	ND		ug/kg	3.0	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-04
Client ID: SB-4D56
Sample Location: ALDEN, NY 14004

Date Collected: 06/08/17 12:15
Date Received: 06/09/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 10:36
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.20	1
Chloroform	ND		ug/kg	1.1	0.27	1
Carbon tetrachloride	ND		ug/kg	0.74	0.26	1
1,2-Dichloropropane	ND		ug/kg	2.6	0.17	1
Dibromochloromethane	ND		ug/kg	0.74	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	0.74	0.22	1
Chlorobenzene	ND		ug/kg	0.74	0.26	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.74	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.26	1
Bromodichloromethane	ND		ug/kg	0.74	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.17	1
Bromoform	ND		ug/kg	3.0	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.22	1
Benzene	ND		ug/kg	0.74	0.14	1
Toluene	ND		ug/kg	1.1	0.14	1
Ethylbenzene	ND		ug/kg	0.74	0.13	1
Chloromethane	ND		ug/kg	3.7	0.32	1
Bromomethane	ND		ug/kg	1.5	0.25	1
Vinyl chloride	ND		ug/kg	1.5	0.23	1
Chloroethane	ND		ug/kg	1.5	0.23	1
1,1-Dichloroethene	ND		ug/kg	0.74	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.18	1
Trichloroethene	ND		ug/kg	0.74	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	0.13	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-04 Date Collected: 06/08/17 12:15

Client ID: SB-4D56 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	0.11	1
p/m-Xylene	ND		ug/kg	1.5	0.26	1
o-Xylene	ND		ug/kg	1.5	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	0.25	1
Styrene	ND		ug/kg	1.5	0.30	1
Dichlorodifluoromethane	ND		ug/kg	7.4	0.37	1
Acetone	ND		ug/kg	7.4	1.7	1
Carbon disulfide	ND		ug/kg	7.4	0.82	1
2-Butanone	ND		ug/kg	7.4	0.51	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	0.18	1
2-Hexanone	ND		ug/kg	7.4	0.49	1
Bromochloromethane	ND		ug/kg	3.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	3.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	0.29	1
Isopropylbenzene	ND		ug/kg	0.74	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	0.16	1
Methyl Acetate	ND		ug/kg	15	0.34	1
Cyclohexane	0.35	J	ug/kg	15	0.32	1
1,4-Dioxane	ND		ug/kg	30	11.	1
Freon-113	ND		ug/kg	15	0.38	1
Methyl cyclohexane	0.33	J	ug/kg	3.0	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-05 Date Collected: 06/08/17 15:00
Client ID: SB-6D1011 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 11:02
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.20	1
Chloroform	ND		ug/kg	1.1	0.27	1
Carbon tetrachloride	ND		ug/kg	0.73	0.25	1
1,2-Dichloropropane	ND		ug/kg	2.6	0.17	1
Dibromochloromethane	ND		ug/kg	0.73	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	0.73	0.22	1
Chlorobenzene	ND		ug/kg	0.73	0.25	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.30	1
1,2-Dichloroethane	ND		ug/kg	0.73	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.26	1
Bromodichloromethane	ND		ug/kg	0.73	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	0.73	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.17	1
Bromoform	ND		ug/kg	2.9	0.17	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.22	1
Benzene	ND		ug/kg	0.73	0.14	1
Toluene	ND		ug/kg	1.1	0.14	1
Ethylbenzene	ND		ug/kg	0.73	0.12	1
Chloromethane	ND		ug/kg	3.6	0.32	1
Bromomethane	ND		ug/kg	1.5	0.25	1
Vinyl chloride	ND		ug/kg	1.5	0.23	1
Chloroethane	ND		ug/kg	1.5	0.23	1
1,1-Dichloroethene	ND		ug/kg	0.73	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.18	1
Trichloroethene	ND		ug/kg	0.73	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.13	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-05 Date Collected: 06/08/17 15:00

Client ID: SB-6D1011 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	0.11	1
p/m-Xylene	ND		ug/kg	1.5	0.26	1
o-Xylene	ND		ug/kg	1.5	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.73	0.25	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	7.3	0.36	1
Acetone	6.7	J	ug/kg	7.3	1.7	1
Carbon disulfide	ND		ug/kg	7.3	0.80	1
2-Butanone	ND		ug/kg	7.3	0.50	1
4-Methyl-2-pentanone	ND		ug/kg	7.3	0.18	1
2-Hexanone	ND		ug/kg	7.3	0.49	1
Bromochloromethane	ND		ug/kg	3.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	2.9	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	0.29	1
Isopropylbenzene	ND		ug/kg	0.73	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.16	1
Methyl Acetate	ND		ug/kg	15	0.34	1
Cyclohexane	ND		ug/kg	15	0.32	1
1,4-Dioxane	ND		ug/kg	29	10.	1
Freon-113	ND		ug/kg	15	0.38	1
Methyl cyclohexane	ND		ug/kg	2.9	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-06
Client ID: SB-7D45
Sample Location: ALDEN, NY 14004

Date Collected: 06/08/17 17:00
Date Received: 06/09/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 11:27
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.8	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.21	1
Chloroform	ND		ug/kg	1.2	0.29	1
Carbon tetrachloride	ND		ug/kg	0.78	0.27	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.18	1
Dibromochloromethane	ND		ug/kg	0.78	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	0.78	0.24	1
Chlorobenzene	ND		ug/kg	0.78	0.27	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.78	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	0.27	1
Bromodichloromethane	ND		ug/kg	0.78	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	0.18	1
Bromoform	ND		ug/kg	3.1	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	0.23	1
Benzene	ND		ug/kg	0.78	0.15	1
Toluene	ND		ug/kg	1.2	0.15	1
Ethylbenzene	ND		ug/kg	0.78	0.13	1
Chloromethane	ND		ug/kg	3.9	0.34	1
Bromomethane	ND		ug/kg	1.6	0.26	1
Vinyl chloride	ND		ug/kg	1.6	0.25	1
Chloroethane	ND		ug/kg	1.6	0.25	1
1,1-Dichloroethene	ND		ug/kg	0.78	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.78	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.14	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-06 Date Collected: 06/08/17 17:00

Client ID: SB-7D45 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.6	0.12	1
p/m-Xylene	ND		ug/kg	1.6	0.28	1
o-Xylene	ND		ug/kg	1.6	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	0.27	1
Styrene	ND		ug/kg	1.6	0.31	1
Dichlorodifluoromethane	ND		ug/kg	7.8	0.39	1
Acetone	ND		ug/kg	7.8	1.8	1
Carbon disulfide	ND		ug/kg	7.8	0.86	1
2-Butanone	ND		ug/kg	7.8	0.54	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	0.19	1
2-Hexanone	ND		ug/kg	7.8	0.52	1
Bromochloromethane	ND		ug/kg	3.9	0.28	1
1,2-Dibromoethane	ND		ug/kg	3.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	0.31	1
Isopropylbenzene	ND		ug/kg	0.78	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.17	1
Methyl Acetate	ND		ug/kg	16	0.36	1
Cyclohexane	ND		ug/kg	16	0.34	1
1,4-Dioxane	ND		ug/kg	31	11.	1
Freon-113	ND		ug/kg	16	0.40	1
Methyl cyclohexane	ND		ug/kg	3.1	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-07 Date Collected: 06/08/17 17:30
Client ID: SB-8D23 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 11:53
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.30	1
Carbon tetrachloride	ND		ug/kg	0.80	0.28	1
1,2-Dichloropropane	ND		ug/kg	2.8	0.18	1
Dibromochloromethane	ND		ug/kg	0.80	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	0.80	0.24	1
Chlorobenzene	ND		ug/kg	0.80	0.28	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.80	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.28	1
Bromodichloromethane	ND		ug/kg	0.80	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.18	1
Bromoform	ND		ug/kg	3.2	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.24	1
Benzene	ND		ug/kg	0.80	0.15	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.80	0.14	1
Chloromethane	ND		ug/kg	4.0	0.35	1
Bromomethane	ND		ug/kg	1.6	0.27	1
Vinyl chloride	ND		ug/kg	1.6	0.25	1
Chloroethane	ND		ug/kg	1.6	0.25	1
1,1-Dichloroethene	ND		ug/kg	0.80	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.80	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.15	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-07 Date Collected: 06/08/17 17:30

Client ID: SB-8D23 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.6	0.12	1
p/m-Xylene	ND		ug/kg	1.6	0.28	1
o-Xylene	ND		ug/kg	1.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	0.27	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	8.0	0.40	1
Acetone	22		ug/kg	8.0	1.8	1
Carbon disulfide	ND		ug/kg	8.0	0.88	1
2-Butanone	ND		ug/kg	8.0	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	0.20	1
2-Hexanone	ND		ug/kg	8.0	0.53	1
Bromochloromethane	ND		ug/kg	4.0	0.29	1
1,2-Dibromoethane	ND		ug/kg	3.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	0.32	1
Isopropylbenzene	ND		ug/kg	0.80	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.17	1
Methyl Acetate	ND		ug/kg	16	0.37	1
Cyclohexane	ND		ug/kg	16	0.35	1
1,4-Dioxane	ND		ug/kg	32	12.	1
Freon-113	ND		ug/kg	16	0.41	1
Methyl cyclohexane	ND		ug/kg	3.2	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-07 Date Collected: 06/08/17 17:30
Client ID: SB-8D23 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/16/17 09:15
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	560	93.	1
1,1-Dichloroethane	ND		ug/kg	85	15.	1
Chloroform	ND		ug/kg	85	21.	1
Carbon tetrachloride	ND		ug/kg	56	19.	1
1,2-Dichloropropane	ND		ug/kg	200	13.	1
Dibromochloromethane	ND		ug/kg	56	9.9	1
1,1,2-Trichloroethane	ND		ug/kg	85	18.	1
Tetrachloroethene	ND		ug/kg	56	17.	1
Chlorobenzene	ND		ug/kg	56	20.	1
Trichlorofluoromethane	ND		ug/kg	280	24.	1
1,2-Dichloroethane	ND		ug/kg	56	14.	1
1,1,1-Trichloroethane	ND		ug/kg	56	20.	1
Bromodichloromethane	ND		ug/kg	56	17.	1
trans-1,3-Dichloropropene	ND		ug/kg	56	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	56	13.	1
1,3-Dichloropropene, Total	ND		ug/kg	56	12.	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	56	17.	1
Benzene	ND		ug/kg	56	11.	1
Toluene	ND		ug/kg	85	11.	1
Ethylbenzene	ND		ug/kg	56	9.6	1
Chloromethane	ND		ug/kg	280	25.	1
Bromomethane	ND		ug/kg	110	19.	1
Vinyl chloride	ND		ug/kg	110	18.	1
Chloroethane	ND		ug/kg	110	18.	1
1,1-Dichloroethene	ND		ug/kg	56	21.	1
trans-1,2-Dichloroethene	ND		ug/kg	85	14.	1
Trichloroethene	ND		ug/kg	56	17.	1
1,2-Dichlorobenzene	ND		ug/kg	280	10.	1
1,3-Dichlorobenzene	ND		ug/kg	280	12.	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-07 Date Collected: 06/08/17 17:30

Client ID: SB-8D23 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	280	10.	1
Methyl tert butyl ether	ND		ug/kg	110	8.6	1
p/m-Xylene	ND		ug/kg	110	20.	1
o-Xylene	ND		ug/kg	110	19.	1
Xylenes, Total	ND		ug/kg	110	19.	1
cis-1,2-Dichloroethene	ND		ug/kg	56	19.	1
1,2-Dichloroethene, Total	ND		ug/kg	56	14.	1
Styrene	ND		ug/kg	110	23.	1
Dichlorodifluoromethane	ND		ug/kg	560	28.	1
Acetone	ND		ug/kg	560	130	1
Carbon disulfide	ND		ug/kg	560	62.	1
2-Butanone	ND		ug/kg	560	39.	1
4-Methyl-2-pentanone	ND		ug/kg	560	14.	1
2-Hexanone	ND		ug/kg	560	38.	1
Bromochloromethane	ND		ug/kg	280	20.	1
1,2-Dibromoethane	ND		ug/kg	220	11.	1
n-Butylbenzene	ND		ug/kg	56	13.	1
sec-Butylbenzene	ND		ug/kg	56	12.	1
tert-Butylbenzene	ND		ug/kg	280	14.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	22.	1
Isopropylbenzene	ND		ug/kg	56	11.	1
p-Isopropyltoluene	25	J	ug/kg	56	11.	1
Naphthalene	ND		ug/kg	280	7.8	1
n-Propylbenzene	ND		ug/kg	56	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	280	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	12.	1
1,3,5-Trimethylbenzene	ND		ug/kg	280	9.1	1
1,2,4-Trimethylbenzene	ND		ug/kg	280	10.	1
1,4-Dioxane	ND		ug/kg	2200	810	1

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

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-10 Date Collected: 06/09/17 11:00
Client ID: SB-13AD23 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 21:18
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.21	1
Chloroform	ND		ug/kg	1.2	0.29	1
Carbon tetrachloride	ND		ug/kg	0.77	0.27	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.18	1
Dibromochloromethane	ND		ug/kg	0.77	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	0.77	0.23	1
Chlorobenzene	ND		ug/kg	0.77	0.27	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.77	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	0.27	1
Bromodichloromethane	ND		ug/kg	0.77	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	0.18	1
Bromoform	ND		ug/kg	3.1	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	0.23	1
Benzene	ND		ug/kg	0.77	0.15	1
Toluene	ND		ug/kg	1.2	0.15	1
Ethylbenzene	ND		ug/kg	0.77	0.13	1
Chloromethane	ND		ug/kg	3.9	0.34	1
Bromomethane	ND		ug/kg	1.5	0.26	1
Vinyl chloride	ND		ug/kg	1.5	0.24	1
Chloroethane	ND		ug/kg	1.5	0.24	1
1,1-Dichloroethene	ND		ug/kg	0.77	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.77	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	3.9	0.14	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-10 Date Collected: 06/09/17 11:00

Client ID: SB-13AD23 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	0.12	1
p/m-Xylene	ND		ug/kg	1.5	0.27	1
o-Xylene	ND		ug/kg	1.5	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	0.26	1
Styrene	ND		ug/kg	1.5	0.31	1
Dichlorodifluoromethane	ND		ug/kg	7.7	0.39	1
Acetone	56		ug/kg	7.7	1.8	1
Carbon disulfide	ND		ug/kg	7.7	0.85	1
2-Butanone	9.2		ug/kg	7.7	0.53	1
4-Methyl-2-pentanone	ND		ug/kg	7.7	0.19	1
2-Hexanone	ND		ug/kg	7.7	0.52	1
Bromochloromethane	ND		ug/kg	3.9	0.28	1
1,2-Dibromoethane	ND		ug/kg	3.1	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	0.31	1
Isopropylbenzene	ND		ug/kg	0.77	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	0.17	1
Methyl Acetate	ND		ug/kg	15	0.36	1
Cyclohexane	ND		ug/kg	15	0.34	1
1,4-Dioxane	ND		ug/kg	31	11.	1
Freon-113	ND		ug/kg	15	0.40	1
Methyl cyclohexane	ND		ug/kg	3.1	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	106		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-11 Date Collected: 06/09/17 12:30
Client ID: SB-14D89 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 21:48
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.21	1
Chloroform	ND		ug/kg	1.1	0.28	1
Carbon tetrachloride	ND		ug/kg	0.76	0.26	1
1,2-Dichloropropane	ND		ug/kg	2.7	0.17	1
Dibromochloromethane	ND		ug/kg	0.76	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	170		ug/kg	0.76	0.23	1
Chlorobenzene	ND		ug/kg	0.76	0.26	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.32	1
1,2-Dichloroethane	ND		ug/kg	0.76	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	0.27	1
Bromodichloromethane	ND		ug/kg	0.76	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	0.18	1
Bromoform	ND		ug/kg	3.0	0.18	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	0.23	1
Benzene	ND		ug/kg	0.76	0.15	1
Toluene	ND		ug/kg	1.1	0.15	1
Ethylbenzene	ND		ug/kg	0.76	0.13	1
Chloromethane	ND		ug/kg	3.8	0.33	1
Bromomethane	ND		ug/kg	1.5	0.26	1
Vinyl chloride	ND		ug/kg	1.5	0.24	1
Chloroethane	ND		ug/kg	1.5	0.24	1
1,1-Dichloroethene	ND		ug/kg	0.76	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.18	1
Trichloroethene	5.6		ug/kg	0.76	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	0.14	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-11 Date Collected: 06/09/17 12:30

Client ID: SB-14D89 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	0.12	1
p/m-Xylene	ND		ug/kg	1.5	0.27	1
o-Xylene	ND		ug/kg	1.5	0.26	1
cis-1,2-Dichloroethene	1.1		ug/kg	0.76	0.26	1
Styrene	ND		ug/kg	1.5	0.31	1
Dichlorodifluoromethane	ND		ug/kg	7.6	0.38	1
Acetone	ND		ug/kg	7.6	1.7	1
Carbon disulfide	ND		ug/kg	7.6	0.84	1
2-Butanone	ND		ug/kg	7.6	0.53	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	0.19	1
2-Hexanone	ND		ug/kg	7.6	0.51	1
Bromochloromethane	ND		ug/kg	3.8	0.27	1
1,2-Dibromoethane	ND		ug/kg	3.0	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	0.30	1
Isopropylbenzene	ND		ug/kg	0.76	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	0.16	1
Methyl Acetate	ND		ug/kg	15	0.35	1
Cyclohexane	ND		ug/kg	15	0.33	1
1,4-Dioxane	ND		ug/kg	30	11.	1
Freon-113	ND		ug/kg	15	0.39	1
Methyl cyclohexane	ND		ug/kg	3.0	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-12 Date Collected: 06/09/17 13:50
Client ID: SB-16D12 Date Received: 06/09/17
Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/15/17 22:13
Analyst: MV
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.29	1
Carbon tetrachloride	ND		ug/kg	0.80	0.27	1
1,2-Dichloropropane	ND		ug/kg	2.8	0.18	1
Dibromochloromethane	ND		ug/kg	0.80	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	0.80	0.24	1
Chlorobenzene	ND		ug/kg	0.80	0.28	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.80	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.28	1
Bromodichloromethane	ND		ug/kg	0.80	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.18	1
Bromoform	ND		ug/kg	3.2	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.24	1
Benzene	ND		ug/kg	0.80	0.15	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.80	0.14	1
Chloromethane	ND		ug/kg	4.0	0.35	1
Bromomethane	ND		ug/kg	1.6	0.27	1
Vinyl chloride	ND		ug/kg	1.6	0.25	1
Chloroethane	ND		ug/kg	1.6	0.25	1
1,1-Dichloroethene	ND		ug/kg	0.80	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.80	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.14	1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-12 Date Collected: 06/09/17 13:50

Client ID: SB-16D12 Date Received: 06/09/17

Sample Location: ALDEN, NY 14004 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.6	0.12	1
p/m-Xylene	ND		ug/kg	1.6	0.28	1
o-Xylene	ND		ug/kg	1.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	0.27	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	8.0	0.40	1
Acetone	ND		ug/kg	8.0	1.8	1
Carbon disulfide	ND		ug/kg	8.0	0.88	1
2-Butanone	ND		ug/kg	8.0	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	0.19	1
2-Hexanone	ND		ug/kg	8.0	0.53	1
Bromochloromethane	ND		ug/kg	4.0	0.28	1
1,2-Dibromoethane	ND		ug/kg	3.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	0.32	1
Isopropylbenzene	ND		ug/kg	0.80	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.17	1
Methyl Acetate	ND		ug/kg	16	0.37	1
Cyclohexane	ND		ug/kg	16	0.34	1
1,4-Dioxane	ND		ug/kg	32	11.	1
Freon-113	ND		ug/kg	16	0.41	1
Methyl cyclohexane	ND		ug/kg	3.2	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 08:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-07 Batch: WG1013797-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 08:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-07 Batch: WG1013797-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 08:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-07 Batch: WG1013797-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 20:27
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10-12 Batch: WG1013802-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 20:27
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10-12 Batch: WG1013802-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/15/17 20:27
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 10-12 Batch: WG1013802-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/17 08:49
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1013934-5					
Methylene chloride	ND		ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
1,3-Dichloropropene, Total	ND		ug/kg	50	10.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	ND		ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.
1,2-Dichlorobenzene	ND		ug/kg	250	9.1

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/17 08:49
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1013934-5					
1,3-Dichlorobenzene	ND		ug/kg	250	11.
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
Xylenes, Total	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
1,2-Dichloroethene, Total	ND		ug/kg	50	12.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	ND		ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	18.
1,2-Dibromoethane	ND		ug/kg	200	10.
n-Butylbenzene	ND		ug/kg	50	11.
sec-Butylbenzene	ND		ug/kg	50	11.
tert-Butylbenzene	ND		ug/kg	250	12.
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Isopropylbenzene	ND		ug/kg	50	9.7
p-Isopropyltoluene	ND		ug/kg	50	10.
Naphthalene	ND		ug/kg	250	6.9
n-Propylbenzene	ND		ug/kg	50	11.
1,2,3-Trichlorobenzene	ND		ug/kg	250	12.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
1,3,5-Trimethylbenzene	ND		ug/kg	250	8.0
1,2,4-Trimethylbenzene	ND		ug/kg	250	9.3

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/16/17 08:49
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07 Batch: WG1013934-5					
Methyl Acetate	ND		ug/kg	1000	23.
Cyclohexane	ND		ug/kg	1000	22.
1,4-Dioxane	ND		ug/kg	2000	720
Freon-113	ND		ug/kg	1000	26.
Methyl cyclohexane	ND		ug/kg	200	12.

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

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1013797-3 WG1013797-4								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	99		98		70-130	1		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	100		98		70-130	2		30
1,2-Dichloropropane	100		99		70-130	1		30
Dibromochloromethane	87		88		70-130	1		30
1,1,2-Trichloroethane	90		92		70-130	2		30
Tetrachloroethene	100		96		70-130	4		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	96		95		70-139	1		30
1,2-Dichloroethane	88		88		70-130	0		30
1,1,1-Trichloroethane	103		99		70-130	4		30
Bromodichloromethane	95		93		70-130	2		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	99		98		70-130	1		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	84		87		70-130	4		30
Benzene	102		100		70-130	2		30
Toluene	97		95		70-130	2		30
Ethylbenzene	97		94		70-130	3		30
Chloromethane	87		86		52-130	1		30
Bromomethane	103		96		57-147	7		30
Vinyl chloride	84		85		67-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1013797-3 WG1013797-4								
Chloroethane	87		85		50-151	2		30
1,1-Dichloroethene	101		98		65-135	3		30
trans-1,2-Dichloroethene	100		99		70-130	1		30
Trichloroethene	101		99		70-130	2		30
1,2-Dichlorobenzene	89		88		70-130	1		30
1,3-Dichlorobenzene	92		90		70-130	2		30
1,4-Dichlorobenzene	89		88		70-130	1		30
Methyl tert butyl ether	95		95		66-130	0		30
p/m-Xylene	100		97		70-130	3		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	79		76		30-146	4		30
Acetone	86		86		54-140	0		30
Carbon disulfide	81		78		59-130	4		30
2-Butanone	94		98		70-130	4		30
4-Methyl-2-pentanone	88		89		70-130	1		30
2-Hexanone	80		80		70-130	0		30
Bromochloromethane	98		97		70-130	1		30
1,2-Dibromoethane	91		90		70-130	1		30
1,2-Dibromo-3-chloropropane	81		82		68-130	1		30
Isopropylbenzene	95		93		70-130	2		30
1,2,3-Trichlorobenzene	89		87		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-07 Batch: WG1013797-3 WG1013797-4								
1,2,4-Trichlorobenzene	92		88		70-130	4		30
Methyl Acetate	96		96		51-146	0		30
Cyclohexane	110		106		59-142	4		30
1,4-Dioxane	96		94		65-136	2		30
Freon-113	106		104		50-139	2		30
Methyl cyclohexane	110		107		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		89		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10-12 Batch: WG1013802-3 WG1013802-4								
Methylene chloride	96		93		70-130	3		30
1,1-Dichloroethane	102		98		70-130	4		30
Chloroform	103		99		70-130	4		30
Carbon tetrachloride	103		99		70-130	4		30
1,2-Dichloropropane	100		97		70-130	3		30
Dibromochloromethane	93		92		70-130	1		30
1,1,2-Trichloroethane	93		91		70-130	2		30
Tetrachloroethene	92		87		70-130	6		30
Chlorobenzene	90		88		70-130	2		30
Trichlorofluoromethane	101		98		70-139	3		30
1,2-Dichloroethane	103		97		70-130	6		30
1,1,1-Trichloroethane	105		101		70-130	4		30
Bromodichloromethane	102		98		70-130	4		30
trans-1,3-Dichloropropene	95		92		70-130	3		30
cis-1,3-Dichloropropene	99		96		70-130	3		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	86		87		70-130	1		30
Benzene	100		95		70-130	5		30
Toluene	92		88		70-130	4		30
Ethylbenzene	92		88		70-130	4		30
Chloromethane	92		87		52-130	6		30
Bromomethane	99		93		57-147	6		30
Vinyl chloride	83		79		67-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10-12 Batch: WG1013802-3 WG1013802-4								
Chloroethane	90		85		50-151	6		30
1,1-Dichloroethene	96		92		65-135	4		30
trans-1,2-Dichloroethene	97		92		70-130	5		30
Trichloroethene	97		95		70-130	2		30
1,2-Dichlorobenzene	87		85		70-130	2		30
1,3-Dichlorobenzene	88		86		70-130	2		30
1,4-Dichlorobenzene	86		84		70-130	2		30
Methyl tert butyl ether	99		96		66-130	3		30
p/m-Xylene	94		90		70-130	4		30
o-Xylene	90		87		70-130	3		30
cis-1,2-Dichloroethene	97		94		70-130	3		30
Styrene	94		90		70-130	4		30
Dichlorodifluoromethane	76		72		30-146	5		30
Acetone	102		95		54-140	7		30
Carbon disulfide	91		92		59-130	1		30
2-Butanone	105		103		70-130	2		30
4-Methyl-2-pentanone	93		88		70-130	6		30
2-Hexanone	84		83		70-130	1		30
Bromochloromethane	100		96		70-130	4		30
1,2-Dibromoethane	93		89		70-130	4		30
1,2-Dibromo-3-chloropropane	82		82		68-130	0		30
Isopropylbenzene	86		84		70-130	2		30
1,2,3-Trichlorobenzene	85		83		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 10-12 Batch: WG1013802-3 WG1013802-4								
1,2,4-Trichlorobenzene	83		82		70-130	1		30
Methyl Acetate	110		107		51-146	3		30
Cyclohexane	103		98		59-142	5		30
1,4-Dioxane	98		93		65-136	5		30
Freon-113	102		97		50-139	5		30
Methyl cyclohexane	100		93		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1013934-3 WG1013934-4								
Methylene chloride	91		91		70-130	0		30
1,1-Dichloroethane	93		94		70-130	1		30
Chloroform	94		93		70-130	1		30
Carbon tetrachloride	95		95		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	86		87		70-130	1		30
1,1,2-Trichloroethane	88		89		70-130	1		30
Tetrachloroethene	91		89		70-130	2		30
Chlorobenzene	87		86		70-130	1		30
Trichlorofluoromethane	92		90		70-139	2		30
1,2-Dichloroethane	88		89		70-130	1		30
1,1,1-Trichloroethane	95		95		70-130	0		30
Bromodichloromethane	91		92		70-130	1		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
Bromoform	85		89		70-130	5		30
1,1,2,2-Tetrachloroethane	82		85		70-130	4		30
Benzene	95		95		70-130	0		30
Toluene	87		88		70-130	1		30
Ethylbenzene	88		87		70-130	1		30
Chloromethane	80		81		52-130	1		30
Bromomethane	91		88		57-147	3		30
Vinyl chloride	78		78		67-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1013934-3 WG1013934-4								
Chloroethane	81		81		50-151	0		30
1,1-Dichloroethene	92		92		65-135	0		30
trans-1,2-Dichloroethene	93		93		70-130	0		30
Trichloroethene	94		94		70-130	0		30
1,2-Dichlorobenzene	84		85		70-130	1		30
1,3-Dichlorobenzene	85		87		70-130	2		30
1,4-Dichlorobenzene	83		85		70-130	2		30
Methyl tert butyl ether	93		94		66-130	1		30
p/m-Xylene	90		88		70-130	2		30
o-Xylene	86		86		70-130	0		30
cis-1,2-Dichloroethene	93		92		70-130	1		30
Styrene	88		87		70-130	1		30
Dichlorodifluoromethane	71		70		30-146	1		30
Acetone	86		88		54-140	2		30
Carbon disulfide	73		73		59-130	0		30
2-Butanone	94		95		70-130	1		30
4-Methyl-2-pentanone	85		87		70-130	2		30
2-Hexanone	79		78		70-130	1		30
Bromochloromethane	96		95		70-130	1		30
1,2-Dibromoethane	88		89		70-130	1		30
n-Butylbenzene	86		88		70-130	2		30
sec-Butylbenzene	87		88		70-130	1		30
tert-Butylbenzene	86		87		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07 Batch: WG1013934-3 WG1013934-4								
1,2-Dibromo-3-chloropropane	80		79		68-130	1		30
Isopropylbenzene	85		87		70-130	2		30
p-Isopropyltoluene	86		88		70-130	2		30
Naphthalene	80		83		70-130	4		30
n-Propylbenzene	84		87		70-130	4		30
1,2,3-Trichlorobenzene	85		87		70-130	2		30
1,2,4-Trichlorobenzene	84		85		70-130	1		30
1,3,5-Trimethylbenzene	87		88		70-130	1		30
1,2,4-Trimethylbenzene	86		88		70-130	2		30
Methyl Acetate	94		98		51-146	4		30
Cyclohexane	99		99		59-142	0		30
1,4-Dioxane	92		91		65-136	1		30
Freon-113	97		96		50-139	1		30
Methyl cyclohexane	99		99		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	97		96		70-130

METALS

Project Name:	11075 WALDEN AVENUE	Lab Number:	L1719393
Project Number:	2171362	Report Date:	06/16/17

SAMPLE RESULTS

Lab ID:	L1719393-01	Date Collected:	06/08/17 09:00
Client ID:	SB-1D0.31	Date Received:	06/09/17
Sample Location:	ALDEN, NY 14004	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.40		mg/kg	0.430	0.089	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB
Barium, Total	22.6		mg/kg	0.430	0.075	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB
Cadmium, Total	0.107	J	mg/kg	0.430	0.042	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB
Chromium, Total	7.37		mg/kg	0.430	0.041	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB
Lead, Total	8.20		mg/kg	2.15	0.115	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.07	0.02	1	06/13/17 08:20	06/13/17 10:50	EPA 7471B	1,7471B	BV
Selenium, Total	0.400	J	mg/kg	0.859	0.111	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.430	0.122	1	06/12/17 20:08	06/16/17 02:12	EPA 3050B	1,6010C	AB

Project Name:	11075 WALDEN AVENUE	Lab Number:	L1719393
Project Number:	2171362	Report Date:	06/16/17

SAMPLE RESULTS

Lab ID:	L1719393-02	Date Collected:	06/08/17 10:15
Client ID:	SB-2D12	Date Received:	06/09/17
Sample Location:	ALDEN, NY 14004	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.87		mg/kg	0.432	0.090	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB
Barium, Total	104		mg/kg	0.432	0.075	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB
Cadmium, Total	0.307	J	mg/kg	0.432	0.042	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB
Chromium, Total	8.84		mg/kg	0.432	0.042	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB
Lead, Total	20.4		mg/kg	2.16	0.116	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	06/13/17 08:20	06/13/17 10:52	EPA 7471B	1,7471B	BV
Selenium, Total	0.627	J	mg/kg	0.864	0.112	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.432	0.122	1	06/12/17 20:08	06/16/17 02:17	EPA 3050B	1,6010C	AB

Project Name:	11075 WALDEN AVENUE	Lab Number:	L1719393
Project Number:	2171362	Report Date:	06/16/17

SAMPLE RESULTS

Lab ID:	L1719393-08	Date Collected:	06/09/17 08:15
Client ID:	SB-11D12	Date Received:	06/09/17
Sample Location:	ALDEN, NY 14004	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	2.06		mg/kg	0.420	0.088	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB
Barium, Total	11.3		mg/kg	0.420	0.073	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB
Cadmium, Total	0.715		mg/kg	0.420	0.041	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB
Chromium, Total	9.38		mg/kg	0.420	0.040	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB
Lead, Total	20.3		mg/kg	2.10	0.113	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.07	0.01	1	06/13/17 08:20	06/13/17 10:54	EPA 7471B	1,7471B	BV
Selenium, Total	0.198	J	mg/kg	0.841	0.108	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.420	0.119	1	06/12/17 20:08	06/16/17 02:21	EPA 3050B	1,6010C	AB

Project Name:	11075 WALDEN AVENUE	Lab Number:	L1719393
Project Number:	2171362	Report Date:	06/16/17

SAMPLE RESULTS

Lab ID:	L1719393-09	Date Collected:	06/09/17 08:45
Client ID:	SB-12D0.61	Date Received:	06/09/17
Sample Location:	ALDEN, NY 14004	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	4.03		mg/kg	0.464	0.097	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB
Barium, Total	38.1		mg/kg	0.464	0.081	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB
Cadmium, Total	0.158	J	mg/kg	0.464	0.046	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB
Chromium, Total	15.3		mg/kg	0.464	0.045	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB
Lead, Total	18.6		mg/kg	2.32	0.124	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	06/13/17 08:20	06/13/17 10:56	EPA 7471B	1,7471B	BV
Selenium, Total	0.869	J	mg/kg	0.929	0.120	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.464	0.131	1	06/12/17 20:08	06/16/17 02:25	EPA 3050B	1,6010C	AB

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362
Lab Number: L1719393
Report Date: 06/16/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,08-09 Batch: WG1012104-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB
Barium, Total	0.128	J	mg/kg	0.400	0.070	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	06/12/17 20:08	06/16/17 01:07	1,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,08-09 Batch: WG1012410-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/13/17 08:20	06/13/17 10:20	1,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,08-09 Batch: WG1012104-2 SRM Lot Number: D093-540								
Arsenic, Total	105		-		70-130	-		
Barium, Total	91		-		83-117	-		
Cadmium, Total	93		-		83-117	-		
Chromium, Total	94		-		80-120	-		
Lead, Total	95		-		82-117	-		
Selenium, Total	93		-		78-122	-		
Silver, Total	97		-		76-124	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02,08-09 Batch: WG1012410-2 SRM Lot Number: D093-540								
Mercury, Total	104		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG1012104-3 QC Sample: L1719284-01 Client ID: MS Sample												
Arsenic, Total	3.17	10.1	13.8	105		-	-		75-125	-		20
Barium, Total	85.4	169	269	109		-	-		75-125	-		20
Cadmium, Total	ND	4.31	3.78	88		-	-		75-125	-		20
Chromium, Total	5.86	16.9	25.3	115		-	-		75-125	-		20
Lead, Total	52.4	43.1	156	**240**	Q	-	-		75-125	-		20
Selenium, Total	ND	10.1	10.5	104		-	-		75-125	-		20
Silver, Total	ND	25.3	27.1	107		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG1012410-3 WG1012410-4 QC Sample: L1719497-04 Client ID: MS Sample												
Mercury, Total	ND	0.138	0.17	**124**	Q	0.17	**121**	Q	80-120	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,08-09 QC Batch ID: WG1012104-4 QC Sample: L1719284-01 Client ID: DUP Sample						
Arsenic, Total	3.17	4.57	mg/kg	36	Q	20
Barium, Total	85.4	88.3	mg/kg	3		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	5.86	7.42	mg/kg	23	Q	20
Lead, Total	52.4	60.3	mg/kg	14		20
Selenium, Total	ND	0.313J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-01
Client ID: SB-1D0.31
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 09:00
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-02
Client ID: SB-2D12
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 10:15
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-03
Client ID: SB-3D910
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 11:15
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-04
Client ID: SB-4D56
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 12:15
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-05
Client ID: SB-6D1011
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 15:00
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-06
Client ID: SB-7D45
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 17:00
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-07
Client ID: SB-8D23
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/08/17 17:30
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-08
Client ID: SB-11D12
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/09/17 08:15
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-09
Client ID: SB-12D0.61
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/09/17 08:45
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-10
Client ID: SB-13AD23
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/09/17 11:00
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-11
Client ID: SB-14D89
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/09/17 12:30
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

SAMPLE RESULTS

Lab ID: L1719393-12
Client ID: SB-16D12
Sample Location: ALDEN, NY 14004
Matrix: Soil

Date Collected: 06/09/17 13:50
Date Received: 06/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	06/10/17 13:32	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1011890-1 QC Sample: L1719393-02 Client ID: SB-2D12						
Solids, Total	89.8	89.1	%	1		20

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1719393-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-01B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-01C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1719393-02A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		TS(7)
L1719393-02B	Glass 60ml unpreserved split	A	NA		2.6	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1719393-03A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-03B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-03C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-03D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-04A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-04B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-04C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-04D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-05A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-05B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-05C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-05D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-06A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-06B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)

*Values in parentheses indicate holding time in days

Project Name: 11075 WALDEN AVENUE
Project Number: 2171362

Lab Number: L1719393
Report Date: 06/16/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1719393-06C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-06D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-07A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L1719393-07B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L1719393-07C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14),NYTCL-8260H-R2(14)
L1719393-07D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-08A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		TS(7)
L1719393-08B	Glass 60ml unpreserved split	A	NA		2.6	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1719393-09A	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		TS(7)
L1719393-09B	Glass 60ml unpreserved split	A	NA		2.6	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1719393-10A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-10B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-10C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-10D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-11A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-11B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-11C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-11D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1719393-12A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW-R2(14)
L1719393-12B	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-12C	Vial water preserved	A	NA		2.6	Y	Absent	10-JUN-17 06:54	NYTCL-8260HLW-R2(14)
L1719393-12D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	11075 WALDEN AVENUE	**Lab Number:**	L1719393
Project Number:	2171362	**Report Date:**	06/16/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	11075 WALDEN AVENUE	**Lab Number:**	L1719393
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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

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

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 11075 WALDEN AVENUE **Lab Number:** L1719393

Project Number: 2171362 **Report Date:** 06/16/17

REFERENCES

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

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

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 6/10/17

ALPHA Job #: L1719393

Client Information

Client: LaBella Associates
Address: 300 Pearl Street, Suite 320
Buffalo, NY 14202
Phone: 716-710-2088
Fax: 716-551-6281
Email: jdombrowski@labella.com

Project Information

Project Name: 11075 Walden Avenue
Project Location: Alden, NY 14004
Project #: 2171362
(Use Project name as Project #) ☐
Project Manager: Adam Zebrowski
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	RCRA Metals	Total Bottle	Sample Specific Comments
19393-01	SB-1D 0.3'	6/8/17	900	Soil	JLD	X	X		
-02	SB-2D 12	6/8/17	1015	Soil	JLD	X	X		
-03	SB-3D 10	6/8/17	1115	Soil	JLD	X			
-04	SB-4D 5.6	6/8/17	1215	Soil	JLD	X			
-05	SB-6D 10.1	6/8/17	1500	Soil	JLD	X			
-06	SB-7D 4.5	6/8/17	1700	Soil	JLD	X			
-07	SB-8D 2.3	6/8/17	1730	Soil	JLD	X			
-08	SB-11D 12	6/9/17	815	Soil	JLD		X		
-09	SB-12D 0.6'	6/9/17	845	Soil	JLD		X		
-10	SB-13AD 2.3	6/9/17	1100	Soil	JLD	X			

Container Type
Preservative

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jessica J. Dombrowski	6/9/17 15	JMT AAL	6/09/17 16:05
JMT AAL	6/09/17 16:05		6/10/17 0825

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-9288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 6/10/17

ALPHA Job #: L1719393

Client Information

Client: LaBella Associates
Address: 300 Pearl Street, Suite 120
Buffalo, NY 14202
Phone: 716-710-3028
Fax: 716-551-6281
Email: jdombrowski@labellapc.com

Project Information

Project Name: 11075 Walden Avenue
Project Location: Alden, NY 14004
Project # 2171362
(Use Project name as Project #) ☐
Project Manager: Adam Zebrowski
ALPHAQuote #:

Turn-Around Time

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOCs	ANALYSIS: RCRA Metals	Total Bottle	Sample Specific Comments
19393-11	SB-14D89	6/9/17	1230	Soil	JLD	X			
-12	SB-16D12	6/9/17	1350	Soil	JLD	X			

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	6/9/17 15		6/09/17 16:05
AAL	6/09/17 16:05		6/10/17 0825

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-39611-1
Client Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Adam Zebrowski

Melissa Deyo

Authorized for release by:
8/15/2017 2:27:10 PM

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Job ID: 200-39611-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-39611-1

Receipt
The samples were received on 8/5/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions
The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): OD1 (200-39611-5). The Flow controller ID llists <3048>, while the COC and sample tag attached to the sample canister, lists <3408>.

Air Toxics
Method(s) TO-15: The laboratory control sample (LCS) for analytical batch 200-119484 recovered outside control limits for the following analytes: Carbon disulfide. These analytes were biased low in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: SS1 — Lab Sample ID: 200-39611-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	23000		1200	170	ppb v/v	5900		TO-15	Total/NA
1,2-Dichloroethene, Total	23000		2400	170	ppb v/v	5900		TO-15	Total/NA
Trichloroethene	2500		1200	54	ppb v/v	5900		TO-15	Total/NA
Tetrachloroethene	71000		1200	58	ppb v/v	5900		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	91000		4700	680	ug/m3	5900		TO-15	Total/NA
1,2-Dichloroethene, Total	91000		9400	680	ug/m3	5900		TO-15	Total/NA
Trichloroethene	13000		6300	290	ug/m3	5900		TO-15	Total/NA
Tetrachloroethene	480000		8000	390	ug/m3	5900		TO-15	Total/NA

Client Sample ID: ID1 — Lab Sample ID: 200-39611-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.48	J	0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	2.8		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.53		0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	20		0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.051	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	6.4		5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.38	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.078	J *	0.50	0.028	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.13	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.55		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.65		0.50	0.11	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.55		0.20	0.029	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.55		0.40	0.029	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.063	J	0.20	0.045	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.063	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.052	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
Benzene	0.10	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.15	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.65		0.20	0.0091	ppb v/v	1		TO-15	Total/NA
Toluene	0.15	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	2.8		0.20	0.0098	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.12	J	0.50	0.086	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.092	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.044	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.14	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.093	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.24		0.20	0.063	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4	J	2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	9.9		1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	49		1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.39	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	15		12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	0.94	J	12	0.32	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: ID1 (Continued) — Lab Sample ID: 200-39611-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.24	J *	1.6	0.087	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.47	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
n-Hexane	1.9		0.70	0.16	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.9		1.5	0.32	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.2		0.79	0.11	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	2.2		1.6	0.11	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.22	J	0.69	0.15	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.39	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.24	J	0.93	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.32	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
n-Heptane	0.63	J	0.82	0.28	ug/m3	1		TO-15	Total/NA
Trichloroethene	3.5		1.1	0.049	ug/m3	1		TO-15	Total/NA
Toluene	0.55	J	0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	19		1.4	0.066	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.48	J	2.0	0.35	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.40	J	2.2	0.33	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.19	J	0.87	0.17	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.59	J	3.0	0.17	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.46	J	0.98	0.28	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	1.5		1.2	0.38	ug/m3	1		TO-15	Total/NA

Client Sample ID: SS2 — Lab Sample ID: 200-39611-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	140	J	370	34	ppb v/v	736		TO-15	Total/NA
Carbon disulfide	57	J *	370	21	ppb v/v	736		TO-15	Total/NA
cis-1,2-Dichloroethene	1700		150	21	ppb v/v	736		TO-15	Total/NA
1,2-Dichloroethene, Total	1700		290	21	ppb v/v	736		TO-15	Total/NA
Trichloroethene	1000		150	6.7	ppb v/v	736		TO-15	Total/NA
Toluene	160		150	26	ppb v/v	736		TO-15	Total/NA
Tetrachloroethene	7600		150	7.2	ppb v/v	736		TO-15	Total/NA
Ethylbenzene	49	J	150	25	ppb v/v	736		TO-15	Total/NA
m,p-Xylene	120	J	370	57	ppb v/v	736		TO-15	Total/NA
Xylene, o-	51	J	150	29	ppb v/v	736		TO-15	Total/NA
Xylene (total)	170	J	520	29	ppb v/v	736		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	320	J	870	80	ug/m3	736		TO-15	Total/NA
Carbon disulfide	180	J *	1100	64	ug/m3	736		TO-15	Total/NA
cis-1,2-Dichloroethene	6700		580	85	ug/m3	736		TO-15	Total/NA
1,2-Dichloroethene, Total	6700		1200	85	ug/m3	736		TO-15	Total/NA
Trichloroethene	5600		790	36	ug/m3	736		TO-15	Total/NA
Toluene	620		550	97	ug/m3	736		TO-15	Total/NA
Tetrachloroethene	52000		1000	49	ug/m3	736		TO-15	Total/NA
Ethylbenzene	210	J	640	110	ug/m3	736		TO-15	Total/NA
m,p-Xylene	520	J	1600	250	ug/m3	736		TO-15	Total/NA
Xylene, o-	220	J	640	130	ug/m3	736		TO-15	Total/NA
Xylene (total)	740	J	2200	130	ug/m3	736		TO-15	Total/NA

Client Sample ID: ID2 — Lab Sample ID: 200-39611-4

This Detection Summary does not include radiochemical test results.

Client Sample ID: ID2 (Continued)

Lab Sample ID: 200-39611-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.44	J	0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	1.9		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.48	J	0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	15		0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.21		0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.052	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	5.1		5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.31	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.071	J *	0.50	0.028	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.10	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.42		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.38	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.31		0.20	0.029	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.31	J	0.40	0.029	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.049	J	0.20	0.045	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.062	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
Benzene	0.082	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.12	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.57		0.20	0.0091	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.88		0.50	0.065	ppb v/v	1		TO-15	Total/NA
Toluene	0.15	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.8		0.20	0.0098	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.094	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.044	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.14	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.12	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.2	J	2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	6.7		1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0	J	1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	36		1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.40	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	12		12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	0.77	J	12	0.32	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.22	J *	1.6	0.087	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.36	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
n-Hexane	1.5		0.70	0.16	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.1	J	1.5	0.32	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.2		0.79	0.11	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.2	J	1.6	0.11	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.17	J	0.69	0.15	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.39	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
Benzene	0.26	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
n-Heptane	0.48	J	0.82	0.28	ug/m3	1		TO-15	Total/NA
Trichloroethene	3.1		1.1	0.049	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	3.6		2.0	0.27	ug/m3	1		TO-15	Total/NA
Toluene	0.55	J	0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	12		1.4	0.066	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.41	J	2.2	0.33	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ID2 (Continued) — Lab Sample ID: 200-39611-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylene, o-	0.19	J	0.87	0.17	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.60	J	3.0	0.17	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.71	J	1.2	0.38	ug/m3	1		TO-15	Total/NA

Client Sample ID: OD1 — Lab Sample ID: 200-39611-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.42	J	0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	0.29	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.56		0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	0.47	J	0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.19	J	0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.047	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	5.2		5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.26	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.10	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.60		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.062	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
Benzene	0.073	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
Toluene	0.13	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.021	J	0.20	0.0098	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.035	J	0.20	0.034	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.11	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.043	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.15	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA
Styrene	0.043	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.1	J	2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	1.0	J	1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	1.1	J	1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.36	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	12		12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	0.64	J	12	0.32	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.36	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.8		1.5	0.32	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.39	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
Benzene	0.23	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
Toluene	0.51	J	0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.14	J	1.4	0.066	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.15	J	0.87	0.15	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.49	J	2.2	0.33	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.19	J	0.87	0.17	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.66	J	3.0	0.17	ug/m3	1		TO-15	Total/NA
Styrene	0.18	J	0.85	0.15	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS1

Date Collected: 08/03/17 16:40
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		3000	280	ppb v/v			08/09/17 00:23	5900
Freon 22	ND		3000	1200	ppb v/v			08/09/17 00:23	5900
1,2-Dichlorotetrafluoroethane	ND		1200	240	ppb v/v			08/09/17 00:23	5900
Chloromethane	ND		3000	940	ppb v/v			08/09/17 00:23	5900
n-Butane	ND		3000	270	ppb v/v			08/09/17 00:23	5900
Vinyl chloride	ND		1200	110	ppb v/v			08/09/17 00:23	5900
1,3-Butadiene	ND		1200	220	ppb v/v			08/09/17 00:23	5900
Bromomethane	ND		1200	210	ppb v/v			08/09/17 00:23	5900
Chloroethane	ND		3000	770	ppb v/v			08/09/17 00:23	5900
Bromoethene(Vinyl Bromide)	ND		1200	130	ppb v/v			08/09/17 00:23	5900
Trichlorofluoromethane	ND		1200	180	ppb v/v			08/09/17 00:23	5900
Freon TF	ND		1200	160	ppb v/v			08/09/17 00:23	5900
1,1-Dichloroethene	ND		1200	210	ppb v/v			08/09/17 00:23	5900
Acetone	ND		30000	7700	ppb v/v			08/09/17 00:23	5900
Isopropyl alcohol	ND		30000	770	ppb v/v			08/09/17 00:23	5900
Carbon disulfide	ND	*	3000	170	ppb v/v			08/09/17 00:23	5900
3-Chloropropene	ND		3000	370	ppb v/v			08/09/17 00:23	5900
Methylene Chloride	ND		3000	400	ppb v/v			08/09/17 00:23	5900
tert-Butyl alcohol	ND		30000	10000	ppb v/v			08/09/17 00:23	5900
Methyl tert-butyl ether	ND		1200	240	ppb v/v			08/09/17 00:23	5900
trans-1,2-Dichloroethene	ND		1200	300	ppb v/v			08/09/17 00:23	5900
n-Hexane	ND		1200	270	ppb v/v			08/09/17 00:23	5900
1,1-Dichloroethane	ND		1200	100	ppb v/v			08/09/17 00:23	5900
Methyl Ethyl Ketone	ND		3000	650	ppb v/v			08/09/17 00:23	5900
cis-1,2-Dichloroethene	**23000**		1200	170	ppb v/v			08/09/17 00:23	5900
1,2-Dichloroethene, Total	**23000**		2400	170	ppb v/v			08/09/17 00:23	5900
Chloroform	ND		1200	150	ppb v/v			08/09/17 00:23	5900
Tetrahydrofuran	ND		30000	7100	ppb v/v			08/09/17 00:23	5900
1,1,1-Trichloroethane	ND		1200	150	ppb v/v			08/09/17 00:23	5900
Cyclohexane	ND		1200	270	ppb v/v			08/09/17 00:23	5900
Carbon tetrachloride	ND		1200	65	ppb v/v			08/09/17 00:23	5900
2,2,4-Trimethylpentane	ND		1200	250	ppb v/v			08/09/17 00:23	5900
Benzene	ND		1200	170	ppb v/v			08/09/17 00:23	5900
1,2-Dichloroethane	ND		1200	200	ppb v/v			08/09/17 00:23	5900
n-Heptane	ND		1200	400	ppb v/v			08/09/17 00:23	5900
Trichloroethene	**2500**		1200	54	ppb v/v			08/09/17 00:23	5900
Methyl methacrylate	ND		3000	650	ppb v/v			08/09/17 00:23	5900
1,2-Dichloropropane	ND		1200	210	ppb v/v			08/09/17 00:23	5900
1,4-Dioxane	ND		30000	4500	ppb v/v			08/09/17 00:23	5900
Bromodichloromethane	ND		1200	350	ppb v/v			08/09/17 00:23	5900
cis-1,3-Dichloropropene	ND		1200	210	ppb v/v			08/09/17 00:23	5900
methyl isobutyl ketone	ND		3000	380	ppb v/v			08/09/17 00:23	5900
Toluene	ND		1200	210	ppb v/v			08/09/17 00:23	5900
trans-1,3-Dichloropropene	ND		1200	220	ppb v/v			08/09/17 00:23	5900
1,1,2-Trichloroethane	ND		1200	100	ppb v/v			08/09/17 00:23	5900
Tetrachloroethene	**71000**		1200	58	ppb v/v			08/09/17 00:23	5900
Methyl Butyl Ketone (2-Hexanone)	ND		3000	510	ppb v/v			08/09/17 00:23	5900
Dibromochloromethane	ND		1200	100	ppb v/v			08/09/17 00:23	5900

Client Sample ID: SS1
Date Collected: 08/03/17 16:40
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1200	140	ppb v/v			08/09/17 00:23	5900
Chlorobenzene	ND		1200	150	ppb v/v			08/09/17 00:23	5900
Ethylbenzene	ND		1200	200	ppb v/v			08/09/17 00:23	5900
m,p-Xylene	ND		3000	450	ppb v/v			08/09/17 00:23	5900
Xylene, o-	ND		1200	240	ppb v/v			08/09/17 00:23	5900
Xylene (total)	ND		4100	240	ppb v/v			08/09/17 00:23	5900
Styrene	ND		1200	210	ppb v/v			08/09/17 00:23	5900
Bromoform	ND		1200	210	ppb v/v			08/09/17 00:23	5900
Cumene	ND		1200	230	ppb v/v			08/09/17 00:23	5900
1,1,2,2-Tetrachloroethane	ND		1200	150	ppb v/v			08/09/17 00:23	5900
n-Propylbenzene	ND		1200	240	ppb v/v			08/09/17 00:23	5900
4-Ethyltoluene	ND		1200	240	ppb v/v			08/09/17 00:23	5900
1,3,5-Trimethylbenzene	ND		1200	240	ppb v/v			08/09/17 00:23	5900
2-Chlorotoluene	ND		1200	210	ppb v/v			08/09/17 00:23	5900
tert-Butylbenzene	ND		1200	220	ppb v/v			08/09/17 00:23	5900
1,2,4-Trimethylbenzene	ND		1200	340	ppb v/v			08/09/17 00:23	5900
sec-Butylbenzene	ND		1200	220	ppb v/v			08/09/17 00:23	5900
4-Isopropyltoluene	ND		1200	310	ppb v/v			08/09/17 00:23	5900
1,3-Dichlorobenzene	ND		1200	300	ppb v/v			08/09/17 00:23	5900
1,4-Dichlorobenzene	ND		1200	370	ppb v/v			08/09/17 00:23	5900
Benzyl chloride	ND		1200	400	ppb v/v			08/09/17 00:23	5900
n-Butylbenzene	ND		1200	400	ppb v/v			08/09/17 00:23	5900
1,2-Dichlorobenzene	ND		1200	270	ppb v/v			08/09/17 00:23	5900
1,2,4-Trichlorobenzene	ND		3000	1100	ppb v/v			08/09/17 00:23	5900
Hexachlorobutadiene	ND		1200	380	ppb v/v			08/09/17 00:23	5900
Naphthalene	ND		3000	590	ppb v/v			08/09/17 00:23	5900

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		15000	1400	ug/m3			08/09/17 00:23	5900
Freon 22	ND		10000	4200	ug/m3			08/09/17 00:23	5900
1,2-Dichlorotetrafluoroethane	ND		8200	1700	ug/m3			08/09/17 00:23	5900
Chloromethane	ND		6100	1900	ug/m3			08/09/17 00:23	5900
n-Butane	ND		7000	650	ug/m3			08/09/17 00:23	5900
Vinyl chloride	ND		3000	270	ug/m3			08/09/17 00:23	5900
1,3-Butadiene	ND		2600	480	ug/m3			08/09/17 00:23	5900
Bromomethane	ND		4600	820	ug/m3			08/09/17 00:23	5900
Chloroethane	ND		7800	2000	ug/m3			08/09/17 00:23	5900
Bromoethene(Vinyl Bromide)	ND		5200	570	ug/m3			08/09/17 00:23	5900
Trichlorofluoromethane	ND		6600	1000	ug/m3			08/09/17 00:23	5900
Freon TF	ND		9000	1200	ug/m3			08/09/17 00:23	5900
1,1-Dichloroethene	ND		4700	820	ug/m3			08/09/17 00:23	5900
Acetone	ND		70000	18000	ug/m3			08/09/17 00:23	5900
Isopropyl alcohol	ND		73000	1900	ug/m3			08/09/17 00:23	5900
Carbon disulfide	ND	*	9200	510	ug/m3			08/09/17 00:23	5900
3-Chloropropene	ND		9200	1200	ug/m3			08/09/17 00:23	5900
Methylene Chloride	ND		10000	1400	ug/m3			08/09/17 00:23	5900
tert-Butyl alcohol	ND		89000	30000	ug/m3			08/09/17 00:23	5900
Methyl tert-butyl ether	ND		4300	870	ug/m3			08/09/17 00:23	5900
trans-1,2-Dichloroethene	ND		4700	1200	ug/m3			08/09/17 00:23	5900

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: SS1
Date Collected: 08/03/17 16:40
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	ND		4200	960	ug/m3			08/09/17 00:23	5900
1,1-Dichloroethane	ND		4800	410	ug/m3			08/09/17 00:23	5900
Methyl Ethyl Ketone	ND		8700	1900	ug/m3			08/09/17 00:23	5900
cis-1,2-Dichloroethene	**91000**		4700	680	ug/m3			08/09/17 00:23	5900
1,2-Dichloroethene, Total	**91000**		9400	680	ug/m3			08/09/17 00:23	5900
Chloroform	ND		5800	720	ug/m3			08/09/17 00:23	5900
Tetrahydrofuran	ND		87000	21000	ug/m3			08/09/17 00:23	5900
1,1,1-Trichloroethane	ND		6400	840	ug/m3			08/09/17 00:23	5900
Cyclohexane	ND		4100	910	ug/m3			08/09/17 00:23	5900
Carbon tetrachloride	ND		7400	410	ug/m3			08/09/17 00:23	5900
2,2,4-Trimethylpentane	ND		5500	1200	ug/m3			08/09/17 00:23	5900
Benzene	ND		3800	530	ug/m3			08/09/17 00:23	5900
1,2-Dichloroethane	ND		4800	810	ug/m3			08/09/17 00:23	5900
n-Heptane	ND		4800	1600	ug/m3			08/09/17 00:23	5900
Trichloroethene	**13000**		6300	290	ug/m3			08/09/17 00:23	5900
Methyl methacrylate	ND		12000	2700	ug/m3			08/09/17 00:23	5900
1,2-Dichloropropane	ND		5500	950	ug/m3			08/09/17 00:23	5900
1,4-Dioxane	ND		110000	16000	ug/m3			08/09/17 00:23	5900
Bromodichloromethane	ND		7900	2300	ug/m3			08/09/17 00:23	5900
cis-1,3-Dichloropropene	ND		5400	960	ug/m3			08/09/17 00:23	5900
methyl isobutyl ketone	ND		12000	1600	ug/m3			08/09/17 00:23	5900
Toluene	ND		4400	780	ug/m3			08/09/17 00:23	5900
trans-1,3-Dichloropropene	ND		5400	1000	ug/m3			08/09/17 00:23	5900
1,1,2-Trichloroethane	ND		6400	550	ug/m3			08/09/17 00:23	5900
Tetrachloroethene	**480000**		8000	390	ug/m3			08/09/17 00:23	5900
Methyl Butyl Ketone (2-Hexanone)	ND		12000	2100	ug/m3			08/09/17 00:23	5900
Dibromochloromethane	ND		10000	850	ug/m3			08/09/17 00:23	5900
1,2-Dibromoethane	ND		9100	1000	ug/m3			08/09/17 00:23	5900
Chlorobenzene	ND		5400	680	ug/m3			08/09/17 00:23	5900
Ethylbenzene	ND		5100	870	ug/m3			08/09/17 00:23	5900
m,p-Xylene	ND		13000	2000	ug/m3			08/09/17 00:23	5900
Xylene, o-	ND		5100	1000	ug/m3			08/09/17 00:23	5900
Xylene (total)	ND		18000	1000	ug/m3			08/09/17 00:23	5900
Styrene	ND		5000	880	ug/m3			08/09/17 00:23	5900
Bromoform	ND		12000	2100	ug/m3			08/09/17 00:23	5900
Cumene	ND		5800	1100	ug/m3			08/09/17 00:23	5900
1,1,2,2-Tetrachloroethane	ND		8100	1100	ug/m3			08/09/17 00:23	5900
n-Propylbenzene	ND		5800	1200	ug/m3			08/09/17 00:23	5900
4-Ethyltoluene	ND		5800	1200	ug/m3			08/09/17 00:23	5900
1,3,5-Trimethylbenzene	ND		5800	1200	ug/m3			08/09/17 00:23	5900
2-Chlorotoluene	ND		6100	1100	ug/m3			08/09/17 00:23	5900
tert-Butylbenzene	ND		6500	1200	ug/m3			08/09/17 00:23	5900
1,2,4-Trimethylbenzene	ND		5800	1700	ug/m3			08/09/17 00:23	5900
sec-Butylbenzene	ND		6500	1200	ug/m3			08/09/17 00:23	5900
4-Isopropyltoluene	ND		6500	1700	ug/m3			08/09/17 00:23	5900
1,3-Dichlorobenzene	ND		7100	1800	ug/m3			08/09/17 00:23	5900
1,4-Dichlorobenzene	ND		7100	2200	ug/m3			08/09/17 00:23	5900
Benzyl chloride	ND		6100	2000	ug/m3			08/09/17 00:23	5900

Client Sample ID: SS1
Lab Sample ID: 200-39611-1
Date Collected: 08/03/17 16:40
Matrix: Air
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		6500	2200	ug/m3			08/09/17 00:23	5900
1,2-Dichlorobenzene	ND		7100	1600	ug/m3			08/09/17 00:23	5900
1,2,4-Trichlorobenzene	ND		22000	8300	ug/m3			08/09/17 00:23	5900
Hexachlorobutadiene	ND		13000	4000	ug/m3			08/09/17 00:23	5900
Naphthalene	ND		15000	3100	ug/m3			08/09/17 00:23	5900

Client Sample ID: ID1
Lab Sample ID: 200-39611-2
Date Collected: 08/03/17 16:40
Matrix: Air
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.48**	**J**	0.50	0.047	ppb v/v			08/08/17 18:30	1
Freon 22	**2.8**		0.50	0.20	ppb v/v			08/08/17 18:30	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			08/08/17 18:30	1
Chloromethane	**0.53**		0.50	0.16	ppb v/v			08/08/17 18:30	1
n-Butane	**20**		0.50	0.046	ppb v/v			08/08/17 18:30	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			08/08/17 18:30	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			08/08/17 18:30	1
Bromomethane	ND		0.20	0.036	ppb v/v			08/08/17 18:30	1
Chloroethane	ND		0.50	0.13	ppb v/v			08/08/17 18:30	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			08/08/17 18:30	1
Trichlorofluoromethane	**0.23**		0.20	0.031	ppb v/v			08/08/17 18:30	1
Freon TF	**0.051**	**J**	0.20	0.027	ppb v/v			08/08/17 18:30	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			08/08/17 18:30	1
Acetone	**6.4**		5.0	1.3	ppb v/v			08/08/17 18:30	1
Isopropyl alcohol	**0.38**	**J**	5.0	0.13	ppb v/v			08/08/17 18:30	1
Carbon disulfide	**0.078**	**J ***	0.50	0.028	ppb v/v			08/08/17 18:30	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			08/08/17 18:30	1
Methylene Chloride	**0.13**	**J**	0.50	0.068	ppb v/v			08/08/17 18:30	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			08/08/17 18:30	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			08/08/17 18:30	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			08/08/17 18:30	1
n-Hexane	**0.55**		0.20	0.046	ppb v/v			08/08/17 18:30	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 18:30	1
Methyl Ethyl Ketone	**0.65**		0.50	0.11	ppb v/v			08/08/17 18:30	1
cis-1,2-Dichloroethene	**0.55**		0.20	0.029	ppb v/v			08/08/17 18:30	1
1,2-Dichloroethene, Total	**0.55**		0.40	0.029	ppb v/v			08/08/17 18:30	1
Chloroform	ND		0.20	0.025	ppb v/v			08/08/17 18:30	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			08/08/17 18:30	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			08/08/17 18:30	1
Cyclohexane	**0.063**	**J**	0.20	0.045	ppb v/v			08/08/17 18:30	1
Carbon tetrachloride	**0.063**	**J**	0.20	0.011	ppb v/v			08/08/17 18:30	1
2,2,4-Trimethylpentane	**0.052**	**J**	0.20	0.043	ppb v/v			08/08/17 18:30	1
Benzene	**0.10**	**J**	0.20	0.028	ppb v/v			08/08/17 18:30	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			08/08/17 18:30	1
n-Heptane	**0.15**	**J**	0.20	0.068	ppb v/v			08/08/17 18:30	1
Trichloroethene	**0.65**		0.20	0.0091	ppb v/v			08/08/17 18:30	1

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: ID1
Date Collected: 08/03/17 16:40
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	ND		0.50	0.11	ppb v/v			08/08/17 18:30	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			08/08/17 18:30	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			08/08/17 18:30	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			08/08/17 18:30	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			08/08/17 18:30	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			08/08/17 18:30	1
Toluene	**0.15**	**J**	0.20	0.035	ppb v/v			08/08/17 18:30	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			08/08/17 18:30	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 18:30	1
Tetrachloroethene	**2.8**		0.20	0.0098	ppb v/v			08/08/17 18:30	1
Methyl Butyl Ketone (2-Hexanone)	**0.12**	**J**	0.50	0.086	ppb v/v			08/08/17 18:30	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			08/08/17 18:30	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			08/08/17 18:30	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			08/08/17 18:30	1
Ethylbenzene	ND		0.20	0.034	ppb v/v			08/08/17 18:30	1
m,p-Xylene	**0.092**	**J**	0.50	0.077	ppb v/v			08/08/17 18:30	1
Xylene, o-	**0.044**	**J**	0.20	0.040	ppb v/v			08/08/17 18:30	1
Xylene (total)	**0.14**	**J**	0.70	0.040	ppb v/v			08/08/17 18:30	1
Styrene	ND		0.20	0.035	ppb v/v			08/08/17 18:30	1
Bromoform	ND		0.20	0.035	ppb v/v			08/08/17 18:30	1
Cumene	ND		0.20	0.039	ppb v/v			08/08/17 18:30	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			08/08/17 18:30	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 18:30	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			08/08/17 18:30	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 18:30	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			08/08/17 18:30	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 18:30	1
1,2,4-Trimethylbenzene	**0.093**	**J**	0.20	0.057	ppb v/v			08/08/17 18:30	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 18:30	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			08/08/17 18:30	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			08/08/17 18:30	1
1,4-Dichlorobenzene	**0.24**		0.20	0.063	ppb v/v			08/08/17 18:30	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			08/08/17 18:30	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			08/08/17 18:30	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			08/08/17 18:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			08/08/17 18:30	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			08/08/17 18:30	1
Naphthalene	ND		0.50	0.10	ppb v/v			08/08/17 18:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.23	ug/m3			08/08/17 18:30	1
Freon 22	**9.9**		1.8	0.71	ug/m3			08/08/17 18:30	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			08/08/17 18:30	1
Chloromethane	**1.1**		1.0	0.33	ug/m3			08/08/17 18:30	1
n-Butane	**49**		1.2	0.11	ug/m3			08/08/17 18:30	1
Vinyl chloride	ND		0.51	0.046	ug/m3			08/08/17 18:30	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			08/08/17 18:30	1
Bromomethane	ND		0.78	0.14	ug/m3			08/08/17 18:30	1
Chloroethane	ND		1.3	0.34	ug/m3			08/08/17 18:30	1

Client Sample ID: ID1
Date Collected: 08/03/17 16:40
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			08/08/17 18:30	1
Trichlorofluoromethane	1.3		1.1	0.17	ug/m3			08/08/17 18:30	1
Freon TF	0.39	J	1.5	0.21	ug/m3			08/08/17 18:30	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			08/08/17 18:30	1
Acetone	15		12	3.1	ug/m3			08/08/17 18:30	1
Isopropyl alcohol	0.94	J	12	0.32	ug/m3			08/08/17 18:30	1
Carbon disulfide	0.24	J *	1.6	0.087	ug/m3			08/08/17 18:30	1
3-Chloropropene	ND		1.6	0.20	ug/m3			08/08/17 18:30	1
Methylene Chloride	0.47	J	1.7	0.24	ug/m3			08/08/17 18:30	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			08/08/17 18:30	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			08/08/17 18:30	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			08/08/17 18:30	1
n-Hexane	1.9		0.70	0.16	ug/m3			08/08/17 18:30	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			08/08/17 18:30	1
Methyl Ethyl Ketone	1.9		1.5	0.32	ug/m3			08/08/17 18:30	1
cis-1,2-Dichloroethene	2.2		0.79	0.11	ug/m3			08/08/17 18:30	1
1,2-Dichloroethene, Total	2.2		1.6	0.11	ug/m3			08/08/17 18:30	1
Chloroform	ND		0.98	0.12	ug/m3			08/08/17 18:30	1
Tetrahydrofuran	ND		15	3.5	ug/m3			08/08/17 18:30	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			08/08/17 18:30	1
Cyclohexane	0.22	J	0.69	0.15	ug/m3			08/08/17 18:30	1
Carbon tetrachloride	0.39	J	1.3	0.069	ug/m3			08/08/17 18:30	1
2,2,4-Trimethylpentane	0.24	J	0.93	0.20	ug/m3			08/08/17 18:30	1
Benzene	0.32	J	0.64	0.089	ug/m3			08/08/17 18:30	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			08/08/17 18:30	1
n-Heptane	0.63	J	0.82	0.28	ug/m3			08/08/17 18:30	1
Trichloroethene	3.5		1.1	0.049	ug/m3			08/08/17 18:30	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			08/08/17 18:30	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			08/08/17 18:30	1
1,4-Dioxane	ND		18	2.7	ug/m3			08/08/17 18:30	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			08/08/17 18:30	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			08/08/17 18:30	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			08/08/17 18:30	1
Toluene	0.55	J	0.75	0.13	ug/m3			08/08/17 18:30	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			08/08/17 18:30	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			08/08/17 18:30	1
Tetrachloroethene	19		1.4	0.066	ug/m3			08/08/17 18:30	1
Methyl Butyl Ketone (2-Hexanone)	0.48	J	2.0	0.35	ug/m3			08/08/17 18:30	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			08/08/17 18:30	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			08/08/17 18:30	1
Chlorobenzene	ND		0.92	0.12	ug/m3			08/08/17 18:30	1
Ethylbenzene	ND		0.87	0.15	ug/m3			08/08/17 18:30	1
m,p-Xylene	0.40	J	2.2	0.33	ug/m3			08/08/17 18:30	1
Xylene, o-	0.19	J	0.87	0.17	ug/m3			08/08/17 18:30	1
Xylene (total)	0.59	J	3.0	0.17	ug/m3			08/08/17 18:30	1
Styrene	ND		0.85	0.15	ug/m3			08/08/17 18:30	1
Bromoform	ND		2.1	0.36	ug/m3			08/08/17 18:30	1
Cumene	ND		0.98	0.19	ug/m3			08/08/17 18:30	1

Client Sample ID: ID1

Lab Sample ID: 200-39611-2

Date Collected: 08/03/17 16:40
Matrix: Air
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			08/08/17 18:30	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			08/08/17 18:30	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			08/08/17 18:30	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			08/08/17 18:30	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			08/08/17 18:30	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 18:30	1
1,2,4-Trimethylbenzene	**0.46**	**J**	0.98	0.28	ug/m3			08/08/17 18:30	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 18:30	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			08/08/17 18:30	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			08/08/17 18:30	1
1,4-Dichlorobenzene	**1.5**		1.2	0.38	ug/m3			08/08/17 18:30	1
Benzyl chloride	ND		1.0	0.35	ug/m3			08/08/17 18:30	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			08/08/17 18:30	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			08/08/17 18:30	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			08/08/17 18:30	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			08/08/17 18:30	1
Naphthalene	ND		2.6	0.52	ug/m3			08/08/17 18:30	1

Client Sample ID: SS2

Lab Sample ID: 200-39611-3

Date Collected: 08/03/17 16:45
Matrix: Air
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		370	35	ppb v/v			08/09/17 01:13	736
Freon 22	ND		370	150	ppb v/v			08/09/17 01:13	736
1,2-Dichlorotetrafluoroethane	ND		150	30	ppb v/v			08/09/17 01:13	736
Chloromethane	ND		370	120	ppb v/v			08/09/17 01:13	736
n-Butane	**140**	**J**	370	34	ppb v/v			08/09/17 01:13	736
Vinyl chloride	ND		150	13	ppb v/v			08/09/17 01:13	736
1,3-Butadiene	ND		150	27	ppb v/v			08/09/17 01:13	736
Bromomethane	ND		150	26	ppb v/v			08/09/17 01:13	736
Chloroethane	ND		370	96	ppb v/v			08/09/17 01:13	736
Bromoethene(Vinyl Bromide)	ND		150	16	ppb v/v			08/09/17 01:13	736
Trichlorofluoromethane	ND		150	23	ppb v/v			08/09/17 01:13	736
Freon TF	ND		150	20	ppb v/v			08/09/17 01:13	736
1,1-Dichloroethene	ND		150	26	ppb v/v			08/09/17 01:13	736
Acetone	ND		3700	960	ppb v/v			08/09/17 01:13	736
Isopropyl alcohol	ND		3700	96	ppb v/v			08/09/17 01:13	736
Carbon disulfide	**57**	**J ***	370	21	ppb v/v			08/09/17 01:13	736
3-Chloropropene	ND		370	46	ppb v/v			08/09/17 01:13	736
Methylene Chloride	ND		370	50	ppb v/v			08/09/17 01:13	736
tert-Butyl alcohol	ND		3700	1300	ppb v/v			08/09/17 01:13	736
Methyl tert-butyl ether	ND		150	30	ppb v/v			08/09/17 01:13	736
trans-1,2-Dichloroethene	ND		150	37	ppb v/v			08/09/17 01:13	736
n-Hexane	ND		150	34	ppb v/v			08/09/17 01:13	736
1,1-Dichloroethane	ND		150	13	ppb v/v			08/09/17 01:13	736
Methyl Ethyl Ketone	ND		370	81	ppb v/v			08/09/17 01:13	736

Client Sample ID: SS2
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1700		150	21	ppb v/v			08/09/17 01:13	736
1,2-Dichloroethene, Total	1700		290	21	ppb v/v			08/09/17 01:13	736
Chloroform	ND		150	18	ppb v/v			08/09/17 01:13	736
Tetrahydrofuran	ND		3700	880	ppb v/v			08/09/17 01:13	736
1,1,1-Trichloroethane	ND		150	19	ppb v/v			08/09/17 01:13	736
Cyclohexane	ND		150	33	ppb v/v			08/09/17 01:13	736
Carbon tetrachloride	ND		150	8.1	ppb v/v			08/09/17 01:13	736
2,2,4-Trimethylpentane	ND		150	32	ppb v/v			08/09/17 01:13	736
Benzene	ND		150	21	ppb v/v			08/09/17 01:13	736
1,2-Dichloroethane	ND		150	25	ppb v/v			08/09/17 01:13	736
n-Heptane	ND		150	50	ppb v/v			08/09/17 01:13	736
Trichloroethene	1000		150	6.7	ppb v/v			08/09/17 01:13	736
Methyl methacrylate	ND		370	81	ppb v/v			08/09/17 01:13	736
1,2-Dichloropropane	ND		150	26	ppb v/v			08/09/17 01:13	736
1,4-Dioxane	ND		3700	560	ppb v/v			08/09/17 01:13	736
Bromodichloromethane	ND		150	43	ppb v/v			08/09/17 01:13	736
cis-1,3-Dichloropropene	ND		150	26	ppb v/v			08/09/17 01:13	736
methyl isobutyl ketone	ND		370	48	ppb v/v			08/09/17 01:13	736
Toluene	160		150	26	ppb v/v			08/09/17 01:13	736
trans-1,3-Dichloropropene	ND		150	28	ppb v/v			08/09/17 01:13	736
1,1,2-Trichloroethane	ND		150	13	ppb v/v			08/09/17 01:13	736
Tetrachloroethene	7600		150	7.2	ppb v/v			08/09/17 01:13	736
Methyl Butyl Ketone (2-Hexanone)	ND		370	63	ppb v/v			08/09/17 01:13	736
Dibromochloromethane	ND		150	13	ppb v/v			08/09/17 01:13	736
1,2-Dibromoethane	ND		150	17	ppb v/v			08/09/17 01:13	736
Chlorobenzene	ND		150	18	ppb v/v			08/09/17 01:13	736
Ethylbenzene	49	J	150	25	ppb v/v			08/09/17 01:13	736
m,p-Xylene	120	J	370	57	ppb v/v			08/09/17 01:13	736
Xylene, o-	51	J	150	29	ppb v/v			08/09/17 01:13	736
Xylene (total)	170	J	520	29	ppb v/v			08/09/17 01:13	736
Styrene	ND		150	26	ppb v/v			08/09/17 01:13	736
Bromoform	ND		150	26	ppb v/v			08/09/17 01:13	736
Cumene	ND		150	29	ppb v/v			08/09/17 01:13	736
1,1,2,2-Tetrachloroethane	ND		150	19	ppb v/v			08/09/17 01:13	736
n-Propylbenzene	ND		150	29	ppb v/v			08/09/17 01:13	736
4-Ethyltoluene	ND		150	29	ppb v/v			08/09/17 01:13	736
1,3,5-Trimethylbenzene	ND		150	29	ppb v/v			08/09/17 01:13	736
2-Chlorotoluene	ND		150	26	ppb v/v			08/09/17 01:13	736
tert-Butylbenzene	ND		150	27	ppb v/v			08/09/17 01:13	736
1,2,4-Trimethylbenzene	ND		150	42	ppb v/v			08/09/17 01:13	736
sec-Butylbenzene	ND		150	27	ppb v/v			08/09/17 01:13	736
4-Isopropyltoluene	ND		150	38	ppb v/v			08/09/17 01:13	736
1,3-Dichlorobenzene	ND		150	37	ppb v/v			08/09/17 01:13	736
1,4-Dichlorobenzene	ND		150	46	ppb v/v			08/09/17 01:13	736
Benzyl chloride	ND		150	49	ppb v/v			08/09/17 01:13	736
n-Butylbenzene	ND		150	50	ppb v/v			08/09/17 01:13	736
1,2-Dichlorobenzene	ND		150	33	ppb v/v			08/09/17 01:13	736
1,2,4-Trichlorobenzene	ND		370	140	ppb v/v			08/09/17 01:13	736

Client Sample ID: SS2
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		150	47	ppb v/v			08/09/17 01:13	736
Naphthalene	ND		370	74	ppb v/v			08/09/17 01:13	736

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1800	170	ug/m3			08/09/17 01:13	736
Freon 22	ND		1300	520	ug/m3			08/09/17 01:13	736
1,2-Dichlorotetrafluoroethane	ND		1000	210	ug/m3			08/09/17 01:13	736
Chloromethane	ND		760	240	ug/m3			08/09/17 01:13	736
n-Butane	**320**	**J**	870	80	ug/m3			08/09/17 01:13	736
Vinyl chloride	ND		380	34	ug/m3			08/09/17 01:13	736
1,3-Butadiene	ND		330	60	ug/m3			08/09/17 01:13	736
Bromomethane	ND		570	100	ug/m3			08/09/17 01:13	736
Chloroethane	ND		970	250	ug/m3			08/09/17 01:13	736
Bromoethene(Vinyl Bromide)	ND		640	71	ug/m3			08/09/17 01:13	736
Trichlorofluoromethane	ND		830	130	ug/m3			08/09/17 01:13	736
Freon TF	ND		1100	150	ug/m3			08/09/17 01:13	736
1,1-Dichloroethene	ND		580	100	ug/m3			08/09/17 01:13	736
Acetone	ND		8700	2300	ug/m3			08/09/17 01:13	736
Isopropyl alcohol	ND		9000	240	ug/m3			08/09/17 01:13	736
Carbon disulfide	**180**	**J ***	1100	64	ug/m3			08/09/17 01:13	736
3-Chloropropene	ND		1200	150	ug/m3			08/09/17 01:13	736
Methylene Chloride	ND		1300	170	ug/m3			08/09/17 01:13	736
tert-Butyl alcohol	ND		11000	3800	ug/m3			08/09/17 01:13	736
Methyl tert-butyl ether	ND		530	110	ug/m3			08/09/17 01:13	736
trans-1,2-Dichloroethene	ND		580	150	ug/m3			08/09/17 01:13	736
n-Hexane	ND		520	120	ug/m3			08/09/17 01:13	736
1,1-Dichloroethane	ND		600	51	ug/m3			08/09/17 01:13	736
Methyl Ethyl Ketone	ND		1100	240	ug/m3			08/09/17 01:13	736
cis-1,2-Dichloroethene	**6700**		580	85	ug/m3			08/09/17 01:13	736
1,2-Dichloroethene, Total	**6700**		1200	85	ug/m3			08/09/17 01:13	736
Chloroform	ND		720	90	ug/m3			08/09/17 01:13	736
Tetrahydrofuran	ND		11000	2600	ug/m3			08/09/17 01:13	736
1,1,1-Trichloroethane	ND		800	100	ug/m3			08/09/17 01:13	736
Cyclohexane	ND		510	110	ug/m3			08/09/17 01:13	736
Carbon tetrachloride	ND		930	51	ug/m3			08/09/17 01:13	736
2,2,4-Trimethylpentane	ND		690	150	ug/m3			08/09/17 01:13	736
Benzene	ND		470	66	ug/m3			08/09/17 01:13	736
1,2-Dichloroethane	ND		600	100	ug/m3			08/09/17 01:13	736
n-Heptane	ND		600	210	ug/m3			08/09/17 01:13	736
Trichloroethene	**5600**		790	36	ug/m3			08/09/17 01:13	736
Methyl methacrylate	ND		1500	330	ug/m3			08/09/17 01:13	736
1,2-Dichloropropane	ND		680	120	ug/m3			08/09/17 01:13	736
1,4-Dioxane	ND		13000	2000	ug/m3			08/09/17 01:13	736
Bromodichloromethane	ND		990	290	ug/m3			08/09/17 01:13	736
cis-1,3-Dichloropropene	ND		670	120	ug/m3			08/09/17 01:13	736
methyl isobutyl ketone	ND		1500	200	ug/m3			08/09/17 01:13	736
Toluene	**620**		550	97	ug/m3			08/09/17 01:13	736
trans-1,3-Dichloropropene	ND		670	130	ug/m3			08/09/17 01:13	736
1,1,2-Trichloroethane	ND		800	68	ug/m3			08/09/17 01:13	736

Client Sample ID: SS2

Lab Sample ID: 200-39611-3
Matrix: Air
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	52000		1000	49	ug/m3			08/09/17 01:13	736
Methyl Butyl Ketone (2-Hexanone)	ND		1500	260	ug/m3			08/09/17 01:13	736
Dibromochloromethane	ND		1300	110	ug/m3			08/09/17 01:13	736
1,2-Dibromoethane	ND		1100	130	ug/m3			08/09/17 01:13	736
Chlorobenzene	ND		680	85	ug/m3			08/09/17 01:13	736
Ethylbenzene	210	J	640	110	ug/m3			08/09/17 01:13	736
m,p-Xylene	520	J	1600	250	ug/m3			08/09/17 01:13	736
Xylene, o-	220	J	640	130	ug/m3			08/09/17 01:13	736
Xylene (total)	740	J	2200	130	ug/m3			08/09/17 01:13	736
Styrene	ND		630	110	ug/m3			08/09/17 01:13	736
Bromoform	ND		1500	270	ug/m3			08/09/17 01:13	736
Cumene	ND		720	140	ug/m3			08/09/17 01:13	736
1,1,2,2-Tetrachloroethane	ND		1000	130	ug/m3			08/09/17 01:13	736
n-Propylbenzene	ND		720	140	ug/m3			08/09/17 01:13	736
4-Ethyltoluene	ND		720	140	ug/m3			08/09/17 01:13	736
1,3,5-Trimethylbenzene	ND		720	140	ug/m3			08/09/17 01:13	736
2-Chlorotoluene	ND		760	130	ug/m3			08/09/17 01:13	736
tert-Butylbenzene	ND		810	150	ug/m3			08/09/17 01:13	736
1,2,4-Trimethylbenzene	ND		720	210	ug/m3			08/09/17 01:13	736
sec-Butylbenzene	ND		810	150	ug/m3			08/09/17 01:13	736
4-Isopropyltoluene	ND		810	210	ug/m3			08/09/17 01:13	736
1,3-Dichlorobenzene	ND		890	220	ug/m3			08/09/17 01:13	736
1,4-Dichlorobenzene	ND		890	280	ug/m3			08/09/17 01:13	736
Benzyl chloride	ND		760	260	ug/m3			08/09/17 01:13	736
n-Butylbenzene	ND		810	270	ug/m3			08/09/17 01:13	736
1,2-Dichlorobenzene	ND		890	200	ug/m3			08/09/17 01:13	736
1,2,4-Trichlorobenzene	ND		2700	1000	ug/m3			08/09/17 01:13	736
Hexachlorobutadiene	ND		1600	500	ug/m3			08/09/17 01:13	736
Naphthalene	ND		1900	390	ug/m3			08/09/17 01:13	736

Client Sample ID: ID2

Lab Sample ID: 200-39611-4
Matrix: Air
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.44	J	0.50	0.047	ppb v/v			08/08/17 19:20	1
Freon 22	1.9		0.50	0.20	ppb v/v			08/08/17 19:20	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			08/08/17 19:20	1
Chloromethane	0.48	J	0.50	0.16	ppb v/v			08/08/17 19:20	1
n-Butane	15		0.50	0.046	ppb v/v			08/08/17 19:20	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			08/08/17 19:20	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			08/08/17 19:20	1
Bromomethane	ND		0.20	0.036	ppb v/v			08/08/17 19:20	1
Chloroethane	ND		0.50	0.13	ppb v/v			08/08/17 19:20	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			08/08/17 19:20	1
Trichlorofluoromethane	0.21		0.20	0.031	ppb v/v			08/08/17 19:20	1
Freon TF	0.052	J	0.20	0.027	ppb v/v			08/08/17 19:20	1

Client Sample ID: ID2
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			08/08/17 19:20	1
Acetone	**5.1**		5.0	1.3	ppb v/v			08/08/17 19:20	1
Isopropyl alcohol	**0.31**	**J**	5.0	0.13	ppb v/v			08/08/17 19:20	1
Carbon disulfide	**0.071**	**J ***	0.50	0.028	ppb v/v			08/08/17 19:20	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			08/08/17 19:20	1
Methylene Chloride	**0.10**	**J**	0.50	0.068	ppb v/v			08/08/17 19:20	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			08/08/17 19:20	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			08/08/17 19:20	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			08/08/17 19:20	1
n-Hexane	**0.42**		0.20	0.046	ppb v/v			08/08/17 19:20	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 19:20	1
Methyl Ethyl Ketone	**0.38**	**J**	0.50	0.11	ppb v/v			08/08/17 19:20	1
cis-1,2-Dichloroethene	**0.31**		0.20	0.029	ppb v/v			08/08/17 19:20	1
1,2-Dichloroethene, Total	**0.31**	**J**	0.40	0.029	ppb v/v			08/08/17 19:20	1
Chloroform	ND		0.20	0.025	ppb v/v			08/08/17 19:20	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			08/08/17 19:20	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			08/08/17 19:20	1
Cyclohexane	**0.049**	**J**	0.20	0.045	ppb v/v			08/08/17 19:20	1
Carbon tetrachloride	**0.062**	**J**	0.20	0.011	ppb v/v			08/08/17 19:20	1
2,2,4-Trimethylpentane	ND		0.20	0.043	ppb v/v			08/08/17 19:20	1
Benzene	**0.082**	**J**	0.20	0.028	ppb v/v			08/08/17 19:20	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			08/08/17 19:20	1
n-Heptane	**0.12**	**J**	0.20	0.068	ppb v/v			08/08/17 19:20	1
Trichloroethene	**0.57**		0.20	0.0091	ppb v/v			08/08/17 19:20	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			08/08/17 19:20	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			08/08/17 19:20	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			08/08/17 19:20	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			08/08/17 19:20	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			08/08/17 19:20	1
methyl isobutyl ketone	**0.88**		0.50	0.065	ppb v/v			08/08/17 19:20	1
Toluene	**0.15**	**J**	0.20	0.035	ppb v/v			08/08/17 19:20	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			08/08/17 19:20	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 19:20	1
Tetrachloroethene	**1.8**		0.20	0.0098	ppb v/v			08/08/17 19:20	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			08/08/17 19:20	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			08/08/17 19:20	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			08/08/17 19:20	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			08/08/17 19:20	1
Ethylbenzene	ND		0.20	0.034	ppb v/v			08/08/17 19:20	1
m,p-Xylene	**0.094**	**J**	0.50	0.077	ppb v/v			08/08/17 19:20	1
Xylene, o-	**0.044**	**J**	0.20	0.040	ppb v/v			08/08/17 19:20	1
Xylene (total)	**0.14**	**J**	0.70	0.040	ppb v/v			08/08/17 19:20	1
Styrene	ND		0.20	0.035	ppb v/v			08/08/17 19:20	1
Bromoform	ND		0.20	0.035	ppb v/v			08/08/17 19:20	1
Cumene	ND		0.20	0.039	ppb v/v			08/08/17 19:20	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			08/08/17 19:20	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 19:20	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			08/08/17 19:20	1

Client Sample ID: ID2
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 19:20	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			08/08/17 19:20	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 19:20	1
1,2,4-Trimethylbenzene	ND		0.20	0.057	ppb v/v			08/08/17 19:20	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 19:20	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			08/08/17 19:20	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			08/08/17 19:20	1
1,4-Dichlorobenzene	**0.12**	**J**	0.20	0.063	ppb v/v			08/08/17 19:20	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			08/08/17 19:20	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			08/08/17 19:20	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			08/08/17 19:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			08/08/17 19:20	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			08/08/17 19:20	1
Naphthalene	ND		0.50	0.10	ppb v/v			08/08/17 19:20	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.23	ug/m3			08/08/17 19:20	1
Freon 22	**6.7**		1.8	0.71	ug/m3			08/08/17 19:20	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			08/08/17 19:20	1
Chloromethane	**1.0**	**J**	1.0	0.33	ug/m3			08/08/17 19:20	1
n-Butane	**36**		1.2	0.11	ug/m3			08/08/17 19:20	1
Vinyl chloride	ND		0.51	0.046	ug/m3			08/08/17 19:20	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			08/08/17 19:20	1
Bromomethane	ND		0.78	0.14	ug/m3			08/08/17 19:20	1
Chloroethane	ND		1.3	0.34	ug/m3			08/08/17 19:20	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			08/08/17 19:20	1
Trichlorofluoromethane	**1.2**		1.1	0.17	ug/m3			08/08/17 19:20	1
Freon TF	**0.40**	**J**	1.5	0.21	ug/m3			08/08/17 19:20	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			08/08/17 19:20	1
Acetone	**12**		12	3.1	ug/m3			08/08/17 19:20	1
Isopropyl alcohol	**0.77**	**J**	12	0.32	ug/m3			08/08/17 19:20	1
Carbon disulfide	**0.22**	**J ***	1.6	0.087	ug/m3			08/08/17 19:20	1
3-Chloropropene	ND		1.6	0.20	ug/m3			08/08/17 19:20	1
Methylene Chloride	**0.36**	**J**	1.7	0.24	ug/m3			08/08/17 19:20	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			08/08/17 19:20	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			08/08/17 19:20	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			08/08/17 19:20	1
n-Hexane	**1.5**		0.70	0.16	ug/m3			08/08/17 19:20	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			08/08/17 19:20	1
Methyl Ethyl Ketone	**1.1**	**J**	1.5	0.32	ug/m3			08/08/17 19:20	1
cis-1,2-Dichloroethene	**1.2**		0.79	0.11	ug/m3			08/08/17 19:20	1
1,2-Dichloroethene, Total	**1.2**	**J**	1.6	0.11	ug/m3			08/08/17 19:20	1
Chloroform	ND		0.98	0.12	ug/m3			08/08/17 19:20	1
Tetrahydrofuran	ND		15	3.5	ug/m3			08/08/17 19:20	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			08/08/17 19:20	1
Cyclohexane	**0.17**	**J**	0.69	0.15	ug/m3			08/08/17 19:20	1
Carbon tetrachloride	**0.39**	**J**	1.3	0.069	ug/m3			08/08/17 19:20	1
2,2,4-Trimethylpentane	ND		0.93	0.20	ug/m3			08/08/17 19:20	1
Benzene	**0.26**	**J**	0.64	0.089	ug/m3			08/08/17 19:20	1

Client Sample ID: ID2
Date Collected: 08/03/17 16:45
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			08/08/17 19:20	1
n-Heptane	**0.48**	**J**	0.82	0.28	ug/m3			08/08/17 19:20	1
Trichloroethene	**3.1**		1.1	0.049	ug/m3			08/08/17 19:20	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			08/08/17 19:20	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			08/08/17 19:20	1
1,4-Dioxane	ND		18	2.7	ug/m3			08/08/17 19:20	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			08/08/17 19:20	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			08/08/17 19:20	1
methyl isobutyl ketone	**3.6**		2.0	0.27	ug/m3			08/08/17 19:20	1
Toluene	**0.55**	**J**	0.75	0.13	ug/m3			08/08/17 19:20	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			08/08/17 19:20	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			08/08/17 19:20	1
Tetrachloroethene	**12**		1.4	0.066	ug/m3			08/08/17 19:20	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			08/08/17 19:20	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			08/08/17 19:20	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			08/08/17 19:20	1
Chlorobenzene	ND		0.92	0.12	ug/m3			08/08/17 19:20	1
Ethylbenzene	ND		0.87	0.15	ug/m3			08/08/17 19:20	1
m,p-Xylene	**0.41**	**J**	2.2	0.33	ug/m3			08/08/17 19:20	1
Xylene, o-	**0.19**	**J**	0.87	0.17	ug/m3			08/08/17 19:20	1
Xylene (total)	**0.60**	**J**	3.0	0.17	ug/m3			08/08/17 19:20	1
Styrene	ND		0.85	0.15	ug/m3			08/08/17 19:20	1
Bromoform	ND		2.1	0.36	ug/m3			08/08/17 19:20	1
Cumene	ND		0.98	0.19	ug/m3			08/08/17 19:20	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			08/08/17 19:20	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			08/08/17 19:20	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			08/08/17 19:20	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			08/08/17 19:20	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			08/08/17 19:20	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 19:20	1
1,2,4-Trimethylbenzene	ND		0.98	0.28	ug/m3			08/08/17 19:20	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 19:20	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			08/08/17 19:20	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			08/08/17 19:20	1
1,4-Dichlorobenzene	**0.71**	**J**	1.2	0.38	ug/m3			08/08/17 19:20	1
Benzyl chloride	ND		1.0	0.35	ug/m3			08/08/17 19:20	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			08/08/17 19:20	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			08/08/17 19:20	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			08/08/17 19:20	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			08/08/17 19:20	1
Naphthalene	ND		2.6	0.52	ug/m3			08/08/17 19:20	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: OD1
Date Collected: 08/03/17 16:50
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.42	J	0.50	0.047	ppb v/v			08/08/17 20:10	1
Freon 22	0.29	J	0.50	0.20	ppb v/v			08/08/17 20:10	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			08/08/17 20:10	1
Chloromethane	0.56		0.50	0.16	ppb v/v			08/08/17 20:10	1
n-Butane	0.47	J	0.50	0.046	ppb v/v			08/08/17 20:10	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			08/08/17 20:10	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			08/08/17 20:10	1
Bromomethane	ND		0.20	0.036	ppb v/v			08/08/17 20:10	1
Chloroethane	ND		0.50	0.13	ppb v/v			08/08/17 20:10	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			08/08/17 20:10	1
Trichlorofluoromethane	0.19	J	0.20	0.031	ppb v/v			08/08/17 20:10	1
Freon TF	0.047	J	0.20	0.027	ppb v/v			08/08/17 20:10	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			08/08/17 20:10	1
Acetone	5.2		5.0	1.3	ppb v/v			08/08/17 20:10	1
Isopropyl alcohol	0.26	J	5.0	0.13	ppb v/v			08/08/17 20:10	1
Carbon disulfide	ND	*	0.50	0.028	ppb v/v			08/08/17 20:10	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			08/08/17 20:10	1
Methylene Chloride	0.10	J	0.50	0.068	ppb v/v			08/08/17 20:10	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			08/08/17 20:10	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			08/08/17 20:10	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			08/08/17 20:10	1
n-Hexane	ND		0.20	0.046	ppb v/v			08/08/17 20:10	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 20:10	1
Methyl Ethyl Ketone	0.60		0.50	0.11	ppb v/v			08/08/17 20:10	1
cis-1,2-Dichloroethene	ND		0.20	0.029	ppb v/v			08/08/17 20:10	1
1,2-Dichloroethene, Total	ND		0.40	0.029	ppb v/v			08/08/17 20:10	1
Chloroform	ND		0.20	0.025	ppb v/v			08/08/17 20:10	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			08/08/17 20:10	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			08/08/17 20:10	1
Cyclohexane	ND		0.20	0.045	ppb v/v			08/08/17 20:10	1
Carbon tetrachloride	0.062	J	0.20	0.011	ppb v/v			08/08/17 20:10	1
2,2,4-Trimethylpentane	ND		0.20	0.043	ppb v/v			08/08/17 20:10	1
Benzene	0.073	J	0.20	0.028	ppb v/v			08/08/17 20:10	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			08/08/17 20:10	1
n-Heptane	ND		0.20	0.068	ppb v/v			08/08/17 20:10	1
Trichloroethene	ND		0.20	0.0091	ppb v/v			08/08/17 20:10	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			08/08/17 20:10	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			08/08/17 20:10	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			08/08/17 20:10	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			08/08/17 20:10	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			08/08/17 20:10	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			08/08/17 20:10	1
Toluene	0.13	J	0.20	0.035	ppb v/v			08/08/17 20:10	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			08/08/17 20:10	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 20:10	1
Tetrachloroethene	0.021	J	0.20	0.0098	ppb v/v			08/08/17 20:10	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			08/08/17 20:10	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			08/08/17 20:10	1

Client Sample ID: OD1
Lab Sample ID: 200-39611-5
Date Collected: 08/03/17 16:50
Matrix: Air
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			08/08/17 20:10	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			08/08/17 20:10	1
Ethylbenzene	**0.035**	**J**	0.20	0.034	ppb v/v			08/08/17 20:10	1
m,p-Xylene	**0.11**	**J**	0.50	0.077	ppb v/v			08/08/17 20:10	1
Xylene, o-	**0.043**	**J**	0.20	0.040	ppb v/v			08/08/17 20:10	1
Xylene (total)	**0.15**	**J**	0.70	0.040	ppb v/v			08/08/17 20:10	1
Styrene	**0.043**	**J**	0.20	0.035	ppb v/v			08/08/17 20:10	1
Bromoform	ND		0.20	0.035	ppb v/v			08/08/17 20:10	1
Cumene	ND		0.20	0.039	ppb v/v			08/08/17 20:10	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			08/08/17 20:10	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 20:10	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			08/08/17 20:10	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 20:10	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			08/08/17 20:10	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 20:10	1
1,2,4-Trimethylbenzene	ND		0.20	0.057	ppb v/v			08/08/17 20:10	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 20:10	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			08/08/17 20:10	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			08/08/17 20:10	1
1,4-Dichlorobenzene	ND		0.20	0.063	ppb v/v			08/08/17 20:10	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			08/08/17 20:10	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			08/08/17 20:10	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			08/08/17 20:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			08/08/17 20:10	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			08/08/17 20:10	1
Naphthalene	ND		0.50	0.10	ppb v/v			08/08/17 20:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.1**	**J**	2.5	0.23	ug/m3			08/08/17 20:10	1
Freon 22	**1.0**	**J**	1.8	0.71	ug/m3			08/08/17 20:10	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			08/08/17 20:10	1
Chloromethane	**1.2**		1.0	0.33	ug/m3			08/08/17 20:10	1
n-Butane	**1.1**	**J**	1.2	0.11	ug/m3			08/08/17 20:10	1
Vinyl chloride	ND		0.51	0.046	ug/m3			08/08/17 20:10	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			08/08/17 20:10	1
Bromomethane	ND		0.78	0.14	ug/m3			08/08/17 20:10	1
Chloroethane	ND		1.3	0.34	ug/m3			08/08/17 20:10	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			08/08/17 20:10	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.17	ug/m3			08/08/17 20:10	1
Freon TF	**0.36**	**J**	1.5	0.21	ug/m3			08/08/17 20:10	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			08/08/17 20:10	1
Acetone	**12**		12	3.1	ug/m3			08/08/17 20:10	1
Isopropyl alcohol	**0.64**	**J**	12	0.32	ug/m3			08/08/17 20:10	1
Carbon disulfide	ND	*	1.6	0.087	ug/m3			08/08/17 20:10	1
3-Chloropropene	ND		1.6	0.20	ug/m3			08/08/17 20:10	1
Methylene Chloride	**0.36**	**J**	1.7	0.24	ug/m3			08/08/17 20:10	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			08/08/17 20:10	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			08/08/17 20:10	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			08/08/17 20:10	1

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: OD1
Date Collected: 08/03/17 16:50
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	ND		0.70	0.16	ug/m3			08/08/17 20:10	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			08/08/17 20:10	1
Methyl Ethyl Ketone	**1.8**		1.5	0.32	ug/m3			08/08/17 20:10	1
cis-1,2-Dichloroethene	ND		0.79	0.11	ug/m3			08/08/17 20:10	1
1,2-Dichloroethene, Total	ND		1.6	0.11	ug/m3			08/08/17 20:10	1
Chloroform	ND		0.98	0.12	ug/m3			08/08/17 20:10	1
Tetrahydrofuran	ND		15	3.5	ug/m3			08/08/17 20:10	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			08/08/17 20:10	1
Cyclohexane	ND		0.69	0.15	ug/m3			08/08/17 20:10	1
Carbon tetrachloride	**0.39**	**J**	1.3	0.069	ug/m3			08/08/17 20:10	1
2,2,4-Trimethylpentane	ND		0.93	0.20	ug/m3			08/08/17 20:10	1
Benzene	**0.23**	**J**	0.64	0.089	ug/m3			08/08/17 20:10	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			08/08/17 20:10	1
n-Heptane	ND		0.82	0.28	ug/m3			08/08/17 20:10	1
Trichloroethene	ND		1.1	0.049	ug/m3			08/08/17 20:10	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			08/08/17 20:10	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			08/08/17 20:10	1
1,4-Dioxane	ND		18	2.7	ug/m3			08/08/17 20:10	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			08/08/17 20:10	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			08/08/17 20:10	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			08/08/17 20:10	1
Toluene	**0.51**	**J**	0.75	0.13	ug/m3			08/08/17 20:10	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			08/08/17 20:10	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			08/08/17 20:10	1
Tetrachloroethene	**0.14**	**J**	1.4	0.066	ug/m3			08/08/17 20:10	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			08/08/17 20:10	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			08/08/17 20:10	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			08/08/17 20:10	1
Chlorobenzene	ND		0.92	0.12	ug/m3			08/08/17 20:10	1
Ethylbenzene	**0.15**	**J**	0.87	0.15	ug/m3			08/08/17 20:10	1
m,p-Xylene	**0.49**	**J**	2.2	0.33	ug/m3			08/08/17 20:10	1
Xylene, o-	**0.19**	**J**	0.87	0.17	ug/m3			08/08/17 20:10	1
Xylene (total)	**0.66**	**J**	3.0	0.17	ug/m3			08/08/17 20:10	1
Styrene	**0.18**	**J**	0.85	0.15	ug/m3			08/08/17 20:10	1
Bromoform	ND		2.1	0.36	ug/m3			08/08/17 20:10	1
Cumene	ND		0.98	0.19	ug/m3			08/08/17 20:10	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			08/08/17 20:10	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			08/08/17 20:10	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			08/08/17 20:10	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			08/08/17 20:10	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			08/08/17 20:10	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 20:10	1
1,2,4-Trimethylbenzene	ND		0.98	0.28	ug/m3			08/08/17 20:10	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 20:10	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			08/08/17 20:10	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			08/08/17 20:10	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			08/08/17 20:10	1
Benzyl chloride	ND		1.0	0.35	ug/m3			08/08/17 20:10	1

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: OD1
Date Collected: 08/03/17 16:50
Date Received: 08/05/17 09:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-39611-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.1	0.37	ug/m3			08/08/17 20:10	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			08/08/17 20:10	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			08/08/17 20:10	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			08/08/17 20:10	1
Naphthalene	ND		2.6	0.52	ug/m3			08/08/17 20:10	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-119484/5
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.047	ppb v/v			08/08/17 13:27	1
Freon 22	ND		0.50	0.20	ppb v/v			08/08/17 13:27	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			08/08/17 13:27	1
Chloromethane	ND		0.50	0.16	ppb v/v			08/08/17 13:27	1
n-Butane	ND		0.50	0.046	ppb v/v			08/08/17 13:27	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			08/08/17 13:27	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			08/08/17 13:27	1
Bromomethane	ND		0.20	0.036	ppb v/v			08/08/17 13:27	1
Chloroethane	ND		0.50	0.13	ppb v/v			08/08/17 13:27	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			08/08/17 13:27	1
Trichlorofluoromethane	ND		0.20	0.031	ppb v/v			08/08/17 13:27	1
Freon TF	ND		0.20	0.027	ppb v/v			08/08/17 13:27	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			08/08/17 13:27	1
Acetone	ND		5.0	1.3	ppb v/v			08/08/17 13:27	1
Isopropyl alcohol	ND		5.0	0.13	ppb v/v			08/08/17 13:27	1
Carbon disulfide	ND		0.50	0.028	ppb v/v			08/08/17 13:27	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			08/08/17 13:27	1
Methylene Chloride	ND		0.50	0.068	ppb v/v			08/08/17 13:27	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			08/08/17 13:27	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			08/08/17 13:27	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			08/08/17 13:27	1
n-Hexane	ND		0.20	0.046	ppb v/v			08/08/17 13:27	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 13:27	1
Methyl Ethyl Ketone	ND		0.50	0.11	ppb v/v			08/08/17 13:27	1
cis-1,2-Dichloroethene	ND		0.20	0.029	ppb v/v			08/08/17 13:27	1
1,2-Dichloroethene, Total	ND		0.40	0.029	ppb v/v			08/08/17 13:27	1
Chloroform	ND		0.20	0.025	ppb v/v			08/08/17 13:27	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			08/08/17 13:27	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			08/08/17 13:27	1
Cyclohexane	ND		0.20	0.045	ppb v/v			08/08/17 13:27	1
Carbon tetrachloride	ND		0.20	0.011	ppb v/v			08/08/17 13:27	1
2,2,4-Trimethylpentane	ND		0.20	0.043	ppb v/v			08/08/17 13:27	1
Benzene	ND		0.20	0.028	ppb v/v			08/08/17 13:27	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			08/08/17 13:27	1
n-Heptane	ND		0.20	0.068	ppb v/v			08/08/17 13:27	1
Trichloroethene	ND		0.20	0.0091	ppb v/v			08/08/17 13:27	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			08/08/17 13:27	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			08/08/17 13:27	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			08/08/17 13:27	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			08/08/17 13:27	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			08/08/17 13:27	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			08/08/17 13:27	1
Toluene	ND		0.20	0.035	ppb v/v			08/08/17 13:27	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			08/08/17 13:27	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			08/08/17 13:27	1
Tetrachloroethene	ND		0.20	0.0098	ppb v/v			08/08/17 13:27	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			08/08/17 13:27	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			08/08/17 13:27	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-119484/5
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			08/08/17 13:27	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			08/08/17 13:27	1
Ethylbenzene	ND		0.20	0.034	ppb v/v			08/08/17 13:27	1
m,p-Xylene	ND		0.50	0.077	ppb v/v			08/08/17 13:27	1
Xylene, o-	ND		0.20	0.040	ppb v/v			08/08/17 13:27	1
Xylene (total)	ND		0.70	0.040	ppb v/v			08/08/17 13:27	1
Styrene	ND		0.20	0.035	ppb v/v			08/08/17 13:27	1
Bromoform	ND		0.20	0.035	ppb v/v			08/08/17 13:27	1
Cumene	ND		0.20	0.039	ppb v/v			08/08/17 13:27	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			08/08/17 13:27	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 13:27	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			08/08/17 13:27	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			08/08/17 13:27	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			08/08/17 13:27	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 13:27	1
1,2,4-Trimethylbenzene	ND		0.20	0.057	ppb v/v			08/08/17 13:27	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			08/08/17 13:27	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			08/08/17 13:27	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			08/08/17 13:27	1
1,4-Dichlorobenzene	ND		0.20	0.063	ppb v/v			08/08/17 13:27	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			08/08/17 13:27	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			08/08/17 13:27	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			08/08/17 13:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			08/08/17 13:27	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			08/08/17 13:27	1
Naphthalene	ND		0.50	0.10	ppb v/v			08/08/17 13:27	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.23	ug/m3			08/08/17 13:27	1
Freon 22	ND		1.8	0.71	ug/m3			08/08/17 13:27	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			08/08/17 13:27	1
Chloromethane	ND		1.0	0.33	ug/m3			08/08/17 13:27	1
n-Butane	ND		1.2	0.11	ug/m3			08/08/17 13:27	1
Vinyl chloride	ND		0.51	0.046	ug/m3			08/08/17 13:27	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			08/08/17 13:27	1
Bromomethane	ND		0.78	0.14	ug/m3			08/08/17 13:27	1
Chloroethane	ND		1.3	0.34	ug/m3			08/08/17 13:27	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			08/08/17 13:27	1
Trichlorofluoromethane	ND		1.1	0.17	ug/m3			08/08/17 13:27	1
Freon TF	ND		1.5	0.21	ug/m3			08/08/17 13:27	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			08/08/17 13:27	1
Acetone	ND		12	3.1	ug/m3			08/08/17 13:27	1
Isopropyl alcohol	ND		12	0.32	ug/m3			08/08/17 13:27	1
Carbon disulfide	ND		1.6	0.087	ug/m3			08/08/17 13:27	1
3-Chloropropene	ND		1.6	0.20	ug/m3			08/08/17 13:27	1
Methylene Chloride	ND		1.7	0.24	ug/m3			08/08/17 13:27	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			08/08/17 13:27	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			08/08/17 13:27	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-119484/5
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			08/08/17 13:27	1
n-Hexane	ND		0.70	0.16	ug/m3			08/08/17 13:27	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			08/08/17 13:27	1
Methyl Ethyl Ketone	ND		1.5	0.32	ug/m3			08/08/17 13:27	1
cis-1,2-Dichloroethene	ND		0.79	0.11	ug/m3			08/08/17 13:27	1
1,2-Dichloroethene, Total	ND		1.6	0.11	ug/m3			08/08/17 13:27	1
Chloroform	ND		0.98	0.12	ug/m3			08/08/17 13:27	1
Tetrahydrofuran	ND		15	3.5	ug/m3			08/08/17 13:27	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			08/08/17 13:27	1
Cyclohexane	ND		0.69	0.15	ug/m3			08/08/17 13:27	1
Carbon tetrachloride	ND		1.3	0.069	ug/m3			08/08/17 13:27	1
2,2,4-Trimethylpentane	ND		0.93	0.20	ug/m3			08/08/17 13:27	1
Benzene	ND		0.64	0.089	ug/m3			08/08/17 13:27	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			08/08/17 13:27	1
n-Heptane	ND		0.82	0.28	ug/m3			08/08/17 13:27	1
Trichloroethene	ND		1.1	0.049	ug/m3			08/08/17 13:27	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			08/08/17 13:27	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			08/08/17 13:27	1
1,4-Dioxane	ND		18	2.7	ug/m3			08/08/17 13:27	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			08/08/17 13:27	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			08/08/17 13:27	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			08/08/17 13:27	1
Toluene	ND		0.75	0.13	ug/m3			08/08/17 13:27	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			08/08/17 13:27	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			08/08/17 13:27	1
Tetrachloroethene	ND		1.4	0.066	ug/m3			08/08/17 13:27	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			08/08/17 13:27	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			08/08/17 13:27	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			08/08/17 13:27	1
Chlorobenzene	ND		0.92	0.12	ug/m3			08/08/17 13:27	1
Ethylbenzene	ND		0.87	0.15	ug/m3			08/08/17 13:27	1
m,p-Xylene	ND		2.2	0.33	ug/m3			08/08/17 13:27	1
Xylene, o-	ND		0.87	0.17	ug/m3			08/08/17 13:27	1
Xylene (total)	ND		3.0	0.17	ug/m3			08/08/17 13:27	1
Styrene	ND		0.85	0.15	ug/m3			08/08/17 13:27	1
Bromoform	ND		2.1	0.36	ug/m3			08/08/17 13:27	1
Cumene	ND		0.98	0.19	ug/m3			08/08/17 13:27	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			08/08/17 13:27	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			08/08/17 13:27	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			08/08/17 13:27	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			08/08/17 13:27	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			08/08/17 13:27	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 13:27	1
1,2,4-Trimethylbenzene	ND		0.98	0.28	ug/m3			08/08/17 13:27	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			08/08/17 13:27	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			08/08/17 13:27	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			08/08/17 13:27	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			08/08/17 13:27	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-119484/5
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		1.0	0.35	ug/m3			08/08/17 13:27	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			08/08/17 13:27	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			08/08/17 13:27	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			08/08/17 13:27	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			08/08/17 13:27	1
Naphthalene	ND		2.6	0.52	ug/m3			08/08/17 13:27	1

Lab Sample ID: LCS 200-119484/3
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	9.35		ppb v/v		93	68 - 128
Freon 22	10.0	9.74		ppb v/v		97	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	8.74		ppb v/v		87	78 - 138
Chloromethane	10.0	9.46		ppb v/v		95	57 - 126
n-Butane	10.0	9.58		ppb v/v		96	56 - 130
Vinyl chloride	10.0	8.47		ppb v/v		85	62 - 125
1,3-Butadiene	10.0	8.69		ppb v/v		87	59 - 125
Bromomethane	10.0	8.25		ppb v/v		83	68 - 128
Chloroethane	10.0	8.33		ppb v/v		83	65 - 125
Bromoethene(Vinyl Bromide)	10.0	7.92		ppb v/v		79	67 - 127
Trichlorofluoromethane	10.0	8.62		ppb v/v		86	67 - 127
Freon TF	10.0	7.69		ppb v/v		77	68 - 128
1,1-Dichloroethene	10.0	7.67		ppb v/v		77	67 - 127
Acetone	10.0	10.4		ppb v/v		104	64 - 136
Isopropyl alcohol	10.0	9.33		ppb v/v		93	55 - 124
Carbon disulfide	10.0	7.97	*	ppb v/v		80	81 - 141
3-Chloropropene	10.0	8.85		ppb v/v		89	53 - 133
Methylene Chloride	10.0	8.73		ppb v/v		87	62 - 122
tert-Butyl alcohol	10.0	9.01		ppb v/v		90	64 - 124
Methyl tert-butyl ether	10.0	8.21		ppb v/v		82	67 - 127
trans-1,2-Dichloroethene	10.0	8.31		ppb v/v		83	72 - 132
n-Hexane	10.0	7.95		ppb v/v		80	71 - 131
1,1-Dichloroethane	10.0	8.00		ppb v/v		80	66 - 126
Methyl Ethyl Ketone	10.0	7.73		ppb v/v		77	62 - 122
cis-1,2-Dichloroethene	10.0	7.74		ppb v/v		77	67 - 127
Chloroform	10.0	8.06		ppb v/v		81	69 - 129
Tetrahydrofuran	10.0	10.1		ppb v/v		101	61 - 136
1,1,1-Trichloroethane	10.0	8.59		ppb v/v		86	70 - 130
Cyclohexane	10.0	8.08		ppb v/v		81	69 - 129
Carbon tetrachloride	10.0	8.57		ppb v/v		86	62 - 143
2,2,4-Trimethylpentane	10.0	8.72		ppb v/v		87	67 - 127
Benzene	10.0	8.33		ppb v/v		83	67 - 127
1,2-Dichloroethane	10.0	9.04		ppb v/v		90	67 - 132
n-Heptane	10.0	9.50		ppb v/v		95	62 - 130
Trichloroethene	10.0	8.02		ppb v/v		80	68 - 128
Methyl methacrylate	10.0	8.48		ppb v/v		85	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-119484/3
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	8.77		ppb v/v		88	67 - 127
1,4-Dioxane	10.0	8.65		ppb v/v		87	66 - 132
Bromodichloromethane	10.0	8.67		ppb v/v		87	69 - 129
cis-1,3-Dichloropropene	10.0	8.55		ppb v/v		86	70 - 130
methyl isobutyl ketone	10.0	10.3		ppb v/v		104	62 - 130
Toluene	10.0	8.84		ppb v/v		88	67 - 127
trans-1,3-Dichloropropene	10.0	8.18		ppb v/v		82	69 - 129
1,1,2-Trichloroethane	10.0	9.01		ppb v/v		90	69 - 129
Tetrachloroethene	10.0	8.30		ppb v/v		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	10.8		ppb v/v		108	61 - 127
Dibromochloromethane	10.0	8.95		ppb v/v		90	66 - 130
1,2-Dibromoethane	10.0	8.70		ppb v/v		87	70 - 130
Chlorobenzene	10.0	8.67		ppb v/v		87	68 - 128
Ethylbenzene	10.0	8.96		ppb v/v		90	68 - 128
m,p-Xylene	20.0	17.8		ppb v/v		89	68 - 128
Xylene, o-	10.0	8.81		ppb v/v		88	67 - 127
Styrene	10.0	9.01		ppb v/v		90	68 - 128
Bromoform	10.0	9.64		ppb v/v		96	34 - 170
Cumene	10.0	9.01		ppb v/v		90	67 - 127
1,1,2,2-Tetrachloroethane	10.0	9.27		ppb v/v		93	69 - 129
n-Propylbenzene	10.0	9.23		ppb v/v		92	67 - 127
4-Ethyltoluene	10.0	9.42		ppb v/v		94	69 - 129
1,3,5-Trimethylbenzene	10.0	9.25		ppb v/v		93	65 - 125
2-Chlorotoluene	10.0	9.38		ppb v/v		94	67 - 127
tert-Butylbenzene	10.0	9.23		ppb v/v		92	63 - 125
1,2,4-Trimethylbenzene	10.0	9.49		ppb v/v		95	65 - 125
sec-Butylbenzene	10.0	9.64		ppb v/v		96	66 - 126
4-Isopropyltoluene	10.0	9.50		ppb v/v		95	67 - 129
1,3-Dichlorobenzene	10.0	9.26		ppb v/v		93	67 - 127
1,4-Dichlorobenzene	10.0	9.12		ppb v/v		91	66 - 126
Benzyl chloride	10.0	8.98		ppb v/v		90	54 - 135
n-Butylbenzene	10.0	10.1		ppb v/v		101	67 - 127
1,2-Dichlorobenzene	10.0	9.24		ppb v/v		92	67 - 127
1,2,4-Trichlorobenzene	10.0	7.52		ppb v/v		75	59 - 126
Hexachlorobutadiene	10.0	8.71		ppb v/v		87	62 - 130
Naphthalene	10.0	7.86		ppb v/v		79	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	46.2		ug/m3		93	68 - 128
Freon 22	35	34.5		ug/m3		97	64 - 128
1,2-Dichlorotetrafluoroethane	70	61.1		ug/m3		87	78 - 138
Chloromethane	21	19.5		ug/m3		95	57 - 126
n-Butane	24	22.8		ug/m3		96	56 - 130
Vinyl chloride	26	21.7		ug/m3		85	62 - 125
1,3-Butadiene	22	19.2		ug/m3		87	59 - 125
Bromomethane	39	32.0		ug/m3		83	68 - 128
Chloroethane	26	22.0		ug/m3		83	65 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-119484/3
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoethene(Vinyl Bromide)	44	34.6		ug/m3		79	67 - 127
Trichlorofluoromethane	56	48.4		ug/m3		86	67 - 127
Freon TF	77	59.0		ug/m3		77	68 - 128
1,1-Dichloroethene	40	30.4		ug/m3		77	67 - 127
Acetone	24	24.8		ug/m3		104	64 - 136
Isopropyl alcohol	25	22.9		ug/m3		93	55 - 124
Carbon disulfide	31	24.8	*	ug/m3		80	81 - 141
3-Chloropropene	31	27.7		ug/m3		89	53 - 133
Methylene Chloride	35	30.3		ug/m3		87	62 - 122
tert-Butyl alcohol	30	27.3		ug/m3		90	64 - 124
Methyl tert-butyl ether	36	29.6		ug/m3		82	67 - 127
trans-1,2-Dichloroethene	40	33.0		ug/m3		83	72 - 132
n-Hexane	35	28.0		ug/m3		80	71 - 131
1,1-Dichloroethane	40	32.4		ug/m3		80	66 - 126
Methyl Ethyl Ketone	29	22.8		ug/m3		77	62 - 122
cis-1,2-Dichloroethene	40	30.7		ug/m3		77	67 - 127
Chloroform	49	39.4		ug/m3		81	69 - 129
Tetrahydrofuran	29	29.8		ug/m3		101	61 - 136
1,1,1-Trichloroethane	55	46.9		ug/m3		86	70 - 130
Cyclohexane	34	27.8		ug/m3		81	69 - 129
Carbon tetrachloride	63	53.9		ug/m3		86	62 - 143
2,2,4-Trimethylpentane	47	40.7		ug/m3		87	67 - 127
Benzene	32	26.6		ug/m3		83	67 - 127
1,2-Dichloroethane	40	36.6		ug/m3		90	67 - 132
n-Heptane	41	38.9		ug/m3		95	62 - 130
Trichloroethene	54	43.1		ug/m3		80	68 - 128
Methyl methacrylate	41	34.7		ug/m3		85	70 - 130
1,2-Dichloropropane	46	40.5		ug/m3		88	67 - 127
1,4-Dioxane	36	31.2		ug/m3		87	66 - 132
Bromodichloromethane	67	58.1		ug/m3		87	69 - 129
cis-1,3-Dichloropropene	45	38.8		ug/m3		86	70 - 130
methyl isobutyl ketone	41	42.4		ug/m3		104	62 - 130
Toluene	38	33.3		ug/m3		88	67 - 127
trans-1,3-Dichloropropene	45	37.1		ug/m3		82	69 - 129
1,1,2-Trichloroethane	55	49.2		ug/m3		90	69 - 129
Tetrachloroethene	68	56.3		ug/m3		83	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	44.5		ug/m3		108	61 - 127
Dibromochloromethane	85	76.3		ug/m3		90	66 - 130
1,2-Dibromoethane	77	66.9		ug/m3		87	70 - 130
Chlorobenzene	46	39.9		ug/m3		87	68 - 128
Ethylbenzene	43	38.9		ug/m3		90	68 - 128
m,p-Xylene	87	77.2		ug/m3		89	68 - 128
Xylene, o-	43	38.3		ug/m3		88	67 - 127
Styrene	43	38.4		ug/m3		90	68 - 128
Bromoform	100	99.7		ug/m3		96	34 - 170
Cumene	49	44.3		ug/m3		90	67 - 127
1,1,2,2-Tetrachloroethane	69	63.6		ug/m3		93	69 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-119484/3
Matrix: Air
Analysis Batch: 119484

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	49	45.4		ug/m3		92	67 - 127
4-Ethyltoluene	49	46.3		ug/m3		94	69 - 129
1,3,5-Trimethylbenzene	49	45.5		ug/m3		93	65 - 125
2-Chlorotoluene	52	48.5		ug/m3		94	67 - 127
tert-Butylbenzene	55	50.7		ug/m3		92	63 - 125
1,2,4-Trimethylbenzene	49	46.7		ug/m3		95	65 - 125
sec-Butylbenzene	55	52.9		ug/m3		96	66 - 126
4-Isopropyltoluene	55	52.2		ug/m3		95	67 - 129
1,3-Dichlorobenzene	60	55.7		ug/m3		93	67 - 127
1,4-Dichlorobenzene	60	54.8		ug/m3		91	66 - 126
Benzyl chloride	52	46.5		ug/m3		90	54 - 135
n-Butylbenzene	55	55.4		ug/m3		101	67 - 127
1,2-Dichlorobenzene	60	55.5		ug/m3		92	67 - 127
1,2,4-Trichlorobenzene	74	55.8		ug/m3		75	59 - 126
Hexachlorobutadiene	110	92.9		ug/m3		87	62 - 130
Naphthalene	52	41.2		ug/m3		79	50 - 121

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Air - GC/MS VOA

Analysis Batch: 119484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-39611-1	SS1	Total/NA	Air	TO-15	
200-39611-2	ID1	Total/NA	Air	TO-15	
200-39611-3	SS2	Total/NA	Air	TO-15	
200-39611-4	ID2	Total/NA	Air	TO-15	
200-39611-5	OD1	Total/NA	Air	TO-15	
MB 200-119484/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-119484/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Client Sample ID: SS1
Lab Sample ID: 200-39611-1
Date Collected: 08/03/17 16:40
Matrix: Air
Date Received: 08/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		5900	119484	08/09/17 00:23	K1P	TAL BUR

Client Sample ID: ID1
Lab Sample ID: 200-39611-2
Date Collected: 08/03/17 16:40
Matrix: Air
Date Received: 08/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	119484	08/08/17 18:30	K1P	TAL BUR

Client Sample ID: SS2
Lab Sample ID: 200-39611-3
Date Collected: 08/03/17 16:45
Matrix: Air
Date Received: 08/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		736	119484	08/09/17 01:13	K1P	TAL BUR

Client Sample ID: ID2
Lab Sample ID: 200-39611-4
Date Collected: 08/03/17 16:45
Matrix: Air
Date Received: 08/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	119484	08/08/17 19:20	K1P	TAL BUR

Client Sample ID: OD1
Lab Sample ID: 200-39611-5
Date Collected: 08/03/17 16:50
Matrix: Air
Date Received: 08/05/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	119484	08/08/17 20:10	K1P	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Laboratory: TestAmerica Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10391	04-01-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,2-Dichloroethene, Total
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Cumene
TO-15		Air	Freon 22
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-39611-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-39611-1	SS1	Air	08/03/17 16:40	08/05/17 09:30
200-39611-2	ID1	Air	08/03/17 16:40	08/05/17 09:30
200-39611-3	SS2	Air	08/03/17 16:45	08/05/17 09:30
200-39611-4	ID2	Air	08/03/17 16:45	08/05/17 09:30
200-39611-5	OD1	Air	08/03/17 16:50	08/05/17 09:30

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Reco


200-39611 Chain of Custody

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection ar

Client Contact Information	Project Manager: Adam Zebrowski	Samples Collected By: Shannon Dalton	1 of 1 COCs
Company: LaBella Associates	Phone: 716-840-2548		
Address: 300 Pearl St	Email: azebrowski@labellapc.com		
City/State/Zip Buffalo, New York			
Phone: 716-710-3043	Site Contact:		
FAX:	TA Contact:		
Project Name: 11075 Walden Avenue	Analysis Turnaround Time		
Site: 11075 Walden Avenue	X Standard (Specify)		
PO # 271935	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SS1	8/3/17	8:35	16:40	-30	-6	3954	3232	X											
ID1	8/3/17	8:35	16:40	-31	-8	5000	4555	X											
SS2	8/3/17	8:42	16:45	-31	-8	3934	5052	X											
ID2	8/3/17	8:42	16:45	-30	-8	5219	2602	X											
OD1	8/3/17	8:45	16:50	-30	-8	3408	3835	X											

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

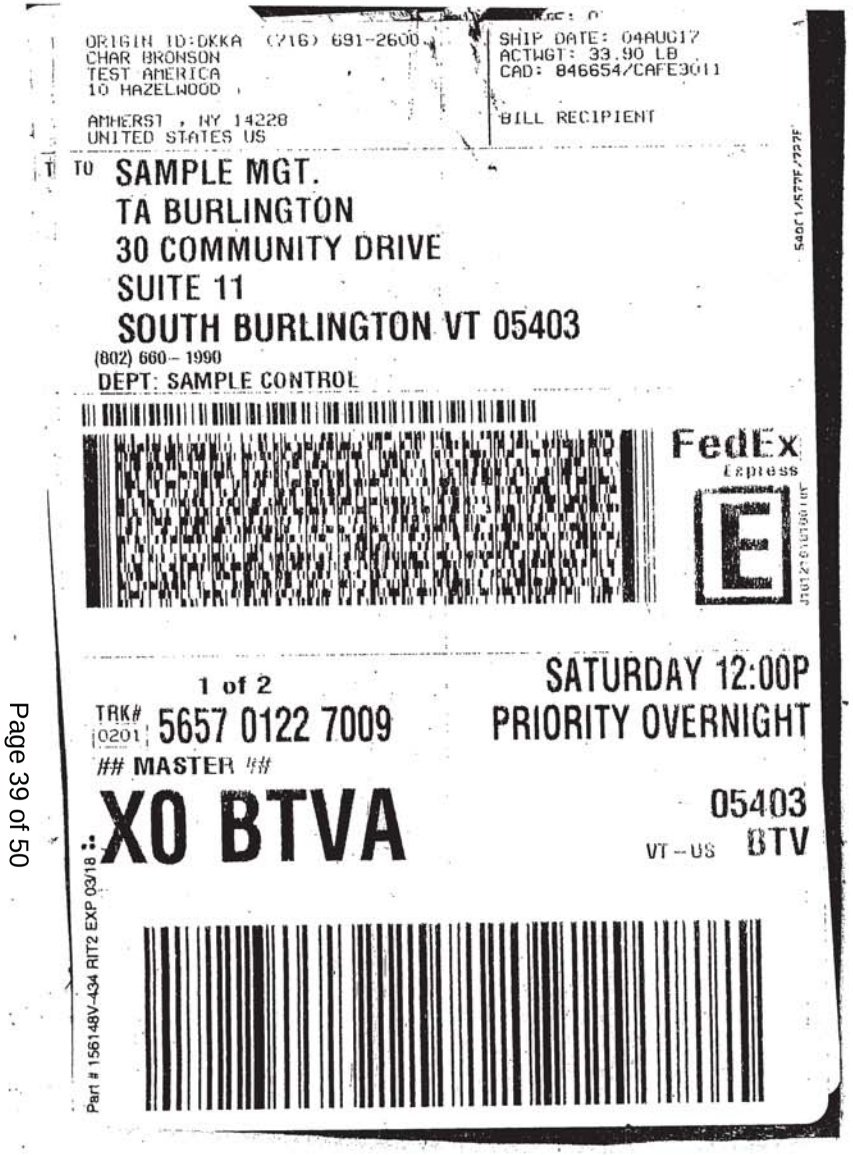
Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time:	Samples Received by:	
Samples Relinquished by: Shannon Dalton	Date/Time: 8/3/17 / 17:30	Received by:	8/3/17 1730
Relinquished by:	Date/Time:	Received by:	8/5/17 0930

Lab Use Only Shipper Name: Opened by: Condition:

8/15/2017



ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST , NY 14228
UNITED STATES US

SHIP DATE: 04AUG17
ACTWGT: 33.90 LB
CAD: 846654/CAFE3011

BILL RECIPIENT

TO SAMPLE MGT.
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: SAMPLE CONTROL

FedEx Express

1 of 2

TRK# 0201 5657 0122 7009

MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

Part # 156148V-434 RIT2 EXP 03/18

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST , NY 14228
UNITED STATES US

SHIP DATE: 04AUG17
ACTWGT: 8.90 LB
CAD: 846654/CAFE3011

BILL RECIPIENT

TO SAMPLE MGT.
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
DEPT: SAMPLE CONTROL

FedEx Express

2 of 2

MPS# 0263 5657 0122 7010

Mstr# 5657 0122 7009 0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US BTV

Part # 156148V-434 RIT2 EXP 03/18

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 200-39611-1

Login Number: 39611
List Number: 1
Creator: Cota, Fred P

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
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	SD
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Bottom Rack	25	7/21/2017	SML	1L	6L	Individual	Batch

						Initial Reading					Final Reading				
Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	4082	.04	.07	.03	-29.5	G25	8/2/17	1240	—	23	G25	8/3/17	0915	S—	23
2	5150	.04	.04	0	-29.5	G25	7/22/17	1400	S—	23	G25	8-1-17	1400	CC	23
3	4555		-.06	.02	-29.5										
4	2602		.12	.18	-29.5										
5	2819		.05	.01	-29.5										
6	5052		.04	0	-29.5										
7	3232		.09	0	-29.5										
8	4455		.05	.01	-29.5										
9	4340		-.06	.02	-29.5										
10	3835		.12	.08	-29.5										
11	4323		-.06	-.02	-29.5										
12	3267	✓	-.07	.03	-29.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Reviewer
4082	7/27/17	26071	KP		XXXX				7/28/17	PAD

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

FAI023:04.26.17:10
TestAmerica Burlington

8/15/2017

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39421-1

SDG No.:

Client Sample ID: 4082 Lab Sample ID: 200-39421-1

Matrix: Air Lab File ID: 26071-18.D

Analysis Method: TO-15 Date Collected: 07/21/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/27/2017 04:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 118994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39421-1

SDG No.:

Client Sample ID: 4082 Lab Sample ID: 200-39421-1

Matrix: Air Lab File ID: 26071-18.D

Analysis Method: TO-15 Date Collected: 07/21/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/27/2017 04:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 118994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39421-1

SDG No.:

Client Sample ID: 4082 Lab Sample ID: 200-39421-1

Matrix: Air Lab File ID: 26071-18.D

Analysis Method: TO-15 Date Collected: 07/21/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/27/2017 04:55

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 118994 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20170726-26071.b\26071-18.D
Lims ID: 200-39421-A-1
Client ID: 4082
Sample Type: Client
Inject. Date: 27-Jul-2017 04:55:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0026071-018
Misc. Info.: 39421-01
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20170726-26071.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 28-Jul-2017 08:14:14 Calib Date: 09-Jun-2017 10:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20170608-25406.b\25406-17.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK025

First Level Reviewer: puangmaleek Date: 28-Jul-2017 08:14:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.140				ND	
2 Dichlorodifluoromethane	85		3.199				ND	
3 Chlorodifluoromethane	51		3.236				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423				ND	
5 Chloromethane	50		3.546				ND	
6 Butane	43		3.722				ND	
7 Vinyl chloride	62		3.759				ND	
8 Butadiene	54		3.823				ND	
10 Bromomethane	94		4.496				ND	
11 Chloroethane	64		4.725				ND	
13 Vinyl bromide	106		5.136				ND	
14 Trichlorofluoromethane	101		5.237				ND	
16 Ethanol	45		5.712				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.267				ND	
20 1,1-Dichloroethene	96		6.337				ND	
21 Acetone	43		6.492				ND	
22 Isopropyl alcohol	45		6.721				ND	
23 Carbon disulfide	76		6.769				ND	
24 3-Chloro-1-propene	41		7.041				ND	
27 Methylene Chloride	49	7.297	7.297	0.000	49	3407	0.1155	7M
28 2-Methyl-2-propanol	59		7.425				ND	
29 Methyl tert-butyl ether	73		7.650				ND	
30 trans-1,2-Dichloroethene	61		7.708				ND	
32 Hexane	57		8.034				ND	
33 1,1-Dichloroethane	63		8.450				ND	
34 Vinyl acetate	43		8.456				ND	
36 2-Butanone (MEK)	72		9.341				ND	
37 cis-1,2-Dichloroethene	96		9.352				ND	
35 Ethyl acetate	88		9.357				ND	
* 39 Chlorobromomethane	128	9.715	9.720	-0.005	78	279653	10.0	
38 Tetrahydrofuran	42		9.731				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Chloroform	83		9.795				ND	
S	41 1,2-Dichloroethene, Total	61		10.000				ND	
	42 1,1,1-Trichloroethane	97		10.051				ND	
	43 Cyclohexane	84		10.062				ND	
	44 Carbon tetrachloride	117		10.259				ND	
	45 Isooctane	57		10.542				ND	
	46 Benzene	78		10.585				ND	
	47 1,2-Dichloroethane	62		10.681				ND	
	48 n-Heptane	43		10.793				ND	
*	50 1,4-Difluorobenzene	114	11.119	11.124	-0.005	92	1398047	10.0	
	53 Trichloroethene	95		11.492				ND	
	54 1,2-Dichloropropane	63		11.866				ND	
	55 Methyl methacrylate	69		11.898				ND	
	56 1,4-Dioxane	88		11.989				ND	
	57 Dibromomethane	174		12.053				ND	
	58 Dichlorobromomethane	83		12.223				ND	
	60 cis-1,3-Dichloropropene	75		12.848				ND	
	61 4-Methyl-2-pentanone (MIBK	43		12.997				ND	
	64 Toluene	92		13.280				ND	
	66 trans-1,3-Dichloropropene	75		13.638				ND	
	67 1,1,2-Trichloroethane	83		13.910				ND	
	68 Tetrachloroethene	166	14.049	14.049	0.000	94	4594	0.0573	
	69 2-Hexanone	43		14.171				ND	
	70 Chlorodibromomethane	129		14.465				ND	
	71 Ethylene Dibromide	107		14.668				ND	
*	72 Chlorobenzene-d5	117	15.223	15.228	-0.005	82	1168359	10.0	
	73 Chlorobenzene	112		15.265				ND	
	74 Ethylbenzene	91		15.335				ND	
	76 m-Xylene & p-Xylene	106		15.479				ND	
	78 o-Xylene	106		15.991				ND	
S	77 Xylenes, Total	106		16.000				ND	
	79 Styrene	104		16.018				ND	
	80 Bromoform	173		16.311				ND	
	81 Isopropylbenzene	105		16.402				ND	
	83 1,1,2,2-Tetrachloroethane	83		16.813				ND	
	84 N-Propylbenzene	91		16.882				ND	
	87 4-Ethyltoluene	105		17.005				ND	
	88 2-Chlorotoluene	91		17.048				ND	
	89 1,3,5-Trimethylbenzene	105		17.075				ND	
	91 tert-Butylbenzene	119		17.448				ND	
	92 1,2,4-Trimethylbenzene	105		17.518				ND	
	93 sec-Butylbenzene	105		17.704				ND	
	94 4-Isopropyltoluene	119		17.859				ND	
	95 1,3-Dichlorobenzene	146		17.939				ND	
	96 1,4-Dichlorobenzene	146		18.051				ND	
	97 Benzyl chloride	91		18.201				ND	
	99 n-Butylbenzene	91		18.366				ND	
	100 1,2-Dichlorobenzene	146		18.537				ND	
	103 1,2,4-Trichlorobenzene	180		20.901				ND	
	104 Hexachlorobutadiene	225		21.067				ND	
	105 Naphthalene	128		21.382				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Reagents:

ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

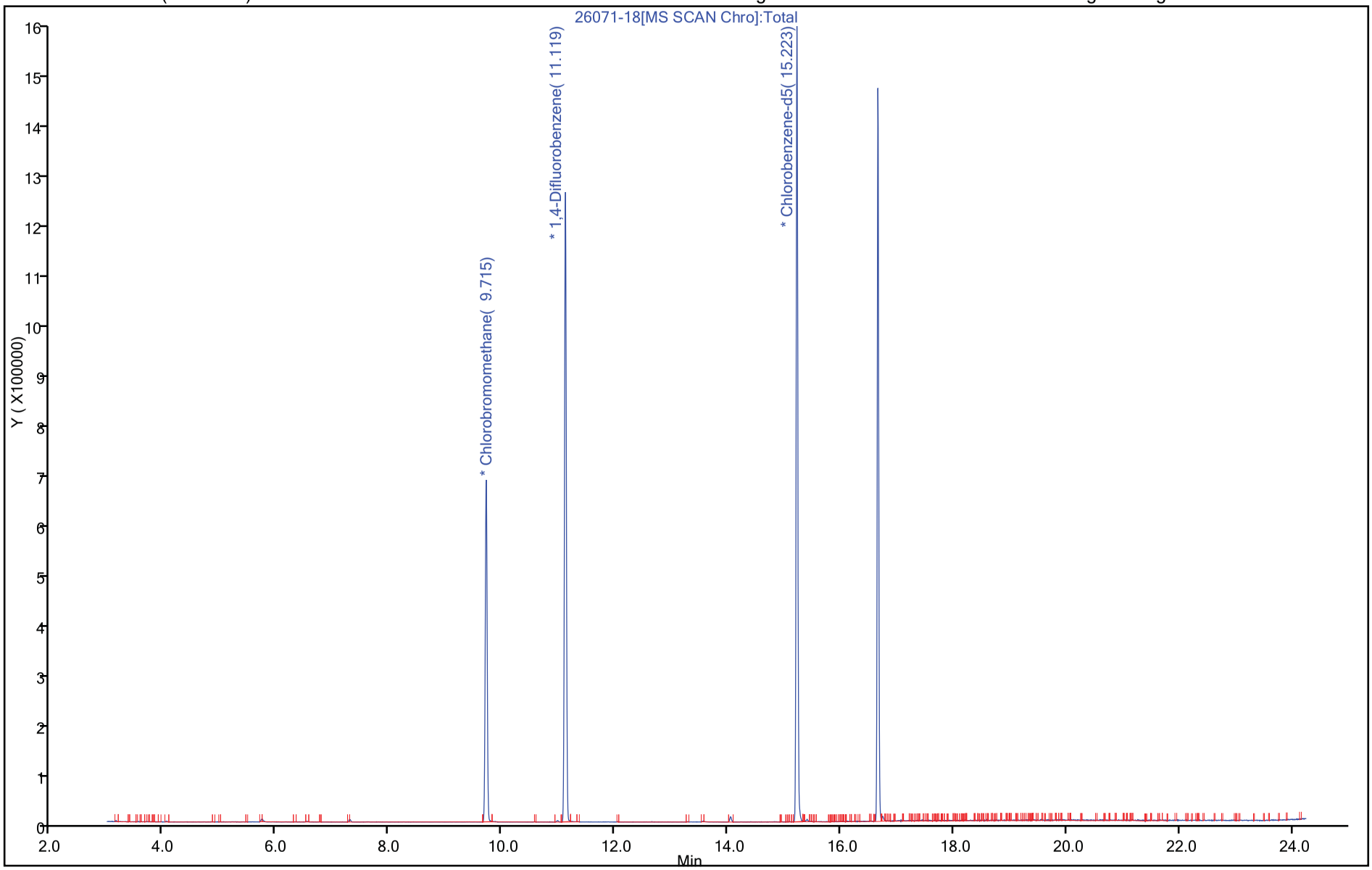
Report Date: 28-Jul-2017 08:14:20 Chrom Revision: 2.2 26-Jun-2017 09:07:56

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20170726-26071.b\26071-18.D

Injection Date:	27-Jul-2017 04:55:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-39421-A-1	Lab Sample ID:	200-39421-1	Worklist Smp#:	18
Client ID:	4082				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	18
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

TestAmerica Burlington

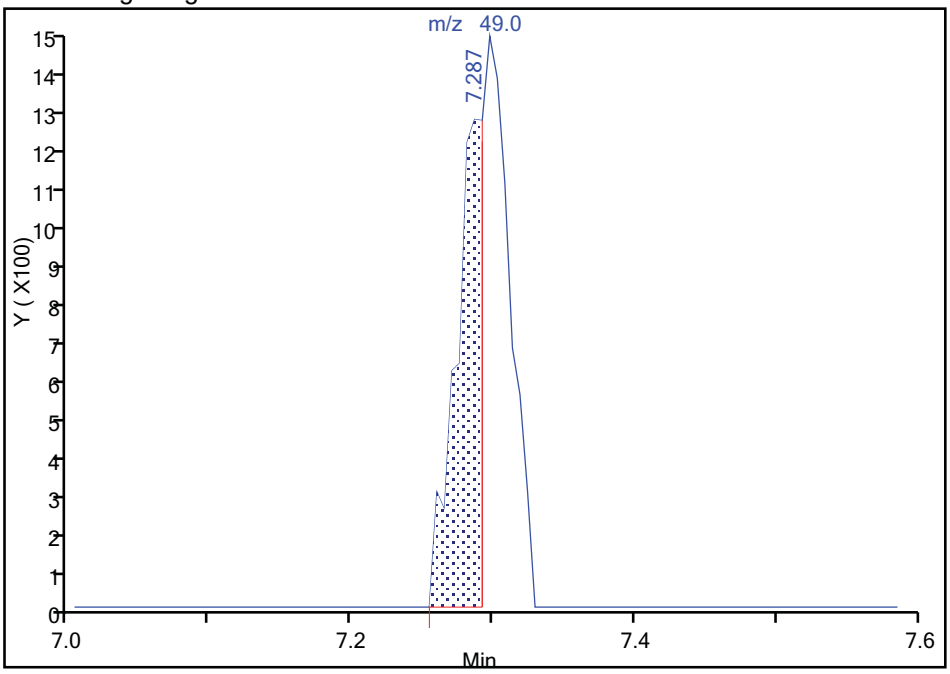
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20170726-26071.b\26071-18.D				
Injection Date:	27-Jul-2017 04:55:30	Instrument ID:	CHB.i		
Lims ID:	200-39421-A-1	Lab Sample ID:	200-39421-1		
Client ID:	4082				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

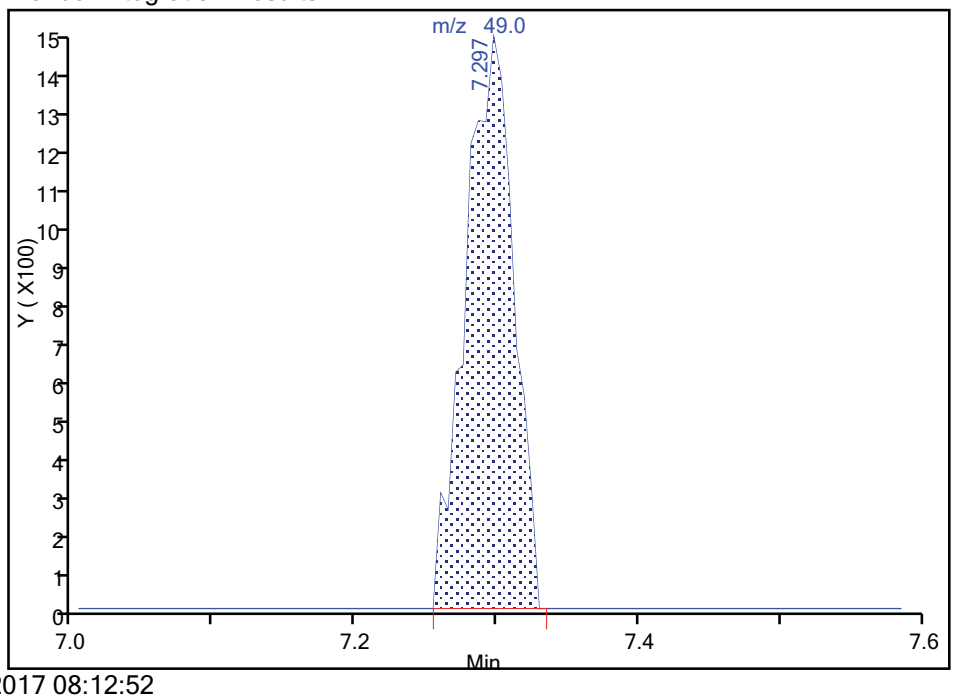
Processing Integration Results

RT: 7.29
Area: 1712
Amount: 0.058044
Amount Units: ppb v/v



Manual Integration Results

RT: 7.30
Area: 3407
Amount: 0.115512
Amount Units: ppb v/v



Reviewer: puangmaleek, 28-Jul-2017 08:12:52
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

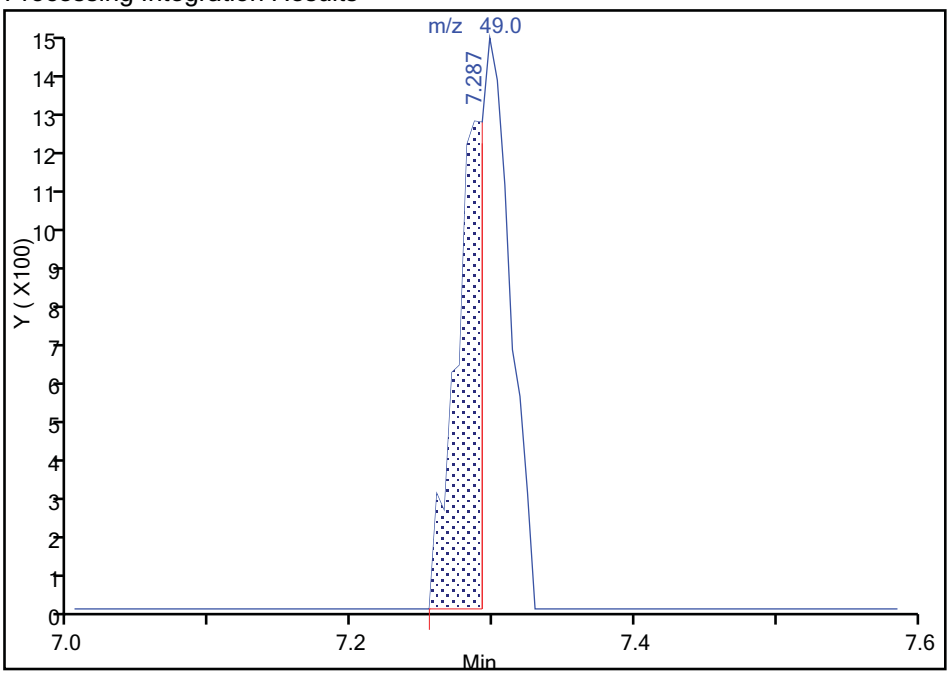
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20170726-26071.b\26071-18.D				
Injection Date:	27-Jul-2017 04:55:30	Instrument ID:	CHB.i		
Lims ID:	200-39421-A-1	Lab Sample ID:	200-39421-1		
Client ID:	4082				
Operator ID:	pad	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Signal: 1

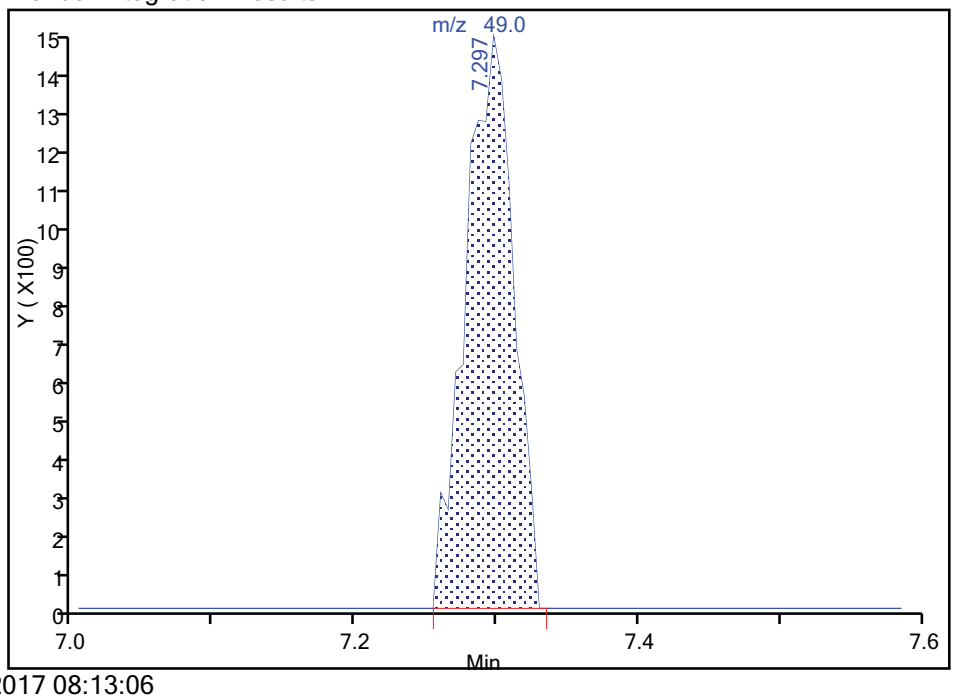
Processing Integration Results

RT: 7.29
Area: 1712
Amount: 0.058044
Amount Units: ppb v/v



Manual Integration Results

RT: 7.30
Area: 3407
Amount: 0.115512
Amount Units: ppb v/v



Reviewer: puangmaleek, 28-Jul-2017 08:13:06

Audit Action: Manually Integrated Audit Reason: Assign Peak

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: 480-122331-1
Client Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Adam Zebrowski

Authorized for release by:
8/17/2017 5:10:02 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: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Job ID: 480-122331-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-122331-1

Receipt
The samples were received on 8/8/2017 7:51 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-370956 recovered outside acceptance criteria, low biased, for Carbon tetrachloride and 1,1,1-Trichloroethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples have been impacted: SB-17 0.6-2FT (480-122331-1), SB-18 12-14FT (480-122331-3), SB-19 14-16FT (480-122331-4), SB-20 8-10FT (480-122331-5), SB-21 14-16FT (480-122331-6) and SB-22 4-6FT (480-122331-7).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-370956 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SB-17 0.6-2FT (480-122331-1), SB-18 12-14FT (480-122331-3), SB-19 14-16FT (480-122331-4), SB-20 8-10FT (480-122331-5), SB-21 14-16FT (480-122331-6) and SB-22 4-6FT (480-122331-7).

Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-370979 recovered outside control limits for the following analytes: Chloroethane and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples have been impacted: SB-17 0.6-2FT (480-122331-1), SB-18 12-14FT (480-122331-3), SB-19 14-16FT (480-122331-4), SB-20 8-10FT (480-122331-5), SB-21 14-16FT (480-122331-6) and SB-22 4-6FT (480-122331-7).

Method(s) 8260C: The following samples was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-17 0.6-2FT (480-122331-1) and SB-18 12-14FT (480-122331-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: SB-17 14-16FT (480-122331-2). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Client Sample ID: SB-17 0.6-2FT — Lab Sample ID: 480-122331-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	120		3.1	0.40	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.28	J	3.1	0.24	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	0.40	J	3.1	0.32	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	21		3.1	0.68	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	130000		4600	620	ug/Kg	100	☼	8260C	Total/NA

Client Sample ID: SB-17 14-16FT — Lab Sample ID: 480-122331-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	540	J B	1800	360	ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: SB-18 12-14FT — Lab Sample ID: 480-122331-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		68	19	ug/Kg	2	☼	8260C	Total/NA
Methylene Chloride	19	J B	68	13	ug/Kg	2	☼	8260C	Total/NA
Tetrachloroethene	2900		68	9.2	ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	82		68	19	ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: SB-19 14-16FT — Lab Sample ID: 480-122331-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.0	J	9.6	1.6	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.59	J	1.9	0.26	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-20 8-10FT — Lab Sample ID: 480-122331-5

No Detections.

Client Sample ID: SB-21 14-16FT — Lab Sample ID: 480-122331-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.7	J	15	2.5	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-22 4-6FT — Lab Sample ID: 480-122331-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-17 0.6-2FT
Date Collected: 08/07/17 08:35
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-1
Matrix: Solid
Percent Solids: 82.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.1	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,1,2,2-Tetrachloroethane	ND		3.1	0.50	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,1,2-Trichloroethane	ND		3.1	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	0.71	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,1-Dichloroethane	ND		3.1	0.38	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,1-Dichloroethene	ND		3.1	0.38	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,2,4-Trichlorobenzene	ND		3.1	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,2-Dibromo-3-Chloropropane	ND		3.1	1.6	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,2-Dichlorobenzene	ND		3.1	0.24	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,2-Dichloroethane	ND		3.1	0.16	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,2-Dichloropropane	ND		3.1	1.6	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,3-Dichlorobenzene	ND		3.1	0.16	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,4-Dichlorobenzene	ND		3.1	0.44	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
2-Butanone (MEK)	ND		16	1.1	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
2-Hexanone	ND		16	1.6	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
4-Methyl-2-pentanone (MIBK)	ND		16	1.0	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Acetone	ND		16	2.6	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Benzene	ND		3.1	0.15	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Bromodichloromethane	ND		3.1	0.42	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Bromoform	ND		3.1	1.6	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Bromomethane	ND	*	3.1	0.28	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Carbon disulfide	ND		3.1	1.6	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Carbon tetrachloride	ND		3.1	0.30	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Chlorobenzene	ND		3.1	0.41	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Dibromochloromethane	ND		3.1	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Chloroethane	ND	*	3.1	0.70	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Chloroform	ND		3.1	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Chloromethane	ND		3.1	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
cis-1,2-Dichloroethene	**120**		3.1	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
cis-1,3-Dichloropropene	ND		3.1	0.45	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Cyclohexane	ND		3.1	0.44	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Dichlorodifluoromethane	ND		3.1	0.26	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Ethylbenzene	ND		3.1	0.21	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
1,2-Dibromoethane	ND		3.1	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Isopropylbenzene	ND		3.1	0.47	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Methyl acetate	ND		16	1.9	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Methyl tert-butyl ether	ND		3.1	0.31	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Methylcyclohexane	ND		3.1	0.47	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Methylene Chloride	ND		3.1	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Styrene	ND		3.1	0.16	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Toluene	**0.28**	**J**	3.1	0.24	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
trans-1,2-Dichloroethene	**0.40**	**J**	3.1	0.32	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
trans-1,3-Dichloropropene	ND		3.1	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Trichloroethene	**21**		3.1	0.68	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Trichlorofluoromethane	ND		3.1	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Vinyl chloride	ND		3.1	0.38	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1
Xylenes, Total	ND		6.2	0.52	ug/Kg	☼	08/08/17 02:00	08/08/17 14:48	1

Client Sample ID: SB-17 0.6-2FT

Lab Sample ID: 480-122331-1

Date Collected: 08/07/17 08:35
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 82.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*71 - 125*	*08/08/17 02:00*	*08/08/17 14:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*08/08/17 02:00*	*08/08/17 14:48*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*08/08/17 02:00*	*08/08/17 14:48*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*08/08/17 02:00*	*08/08/17 14:48*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	130000		4600	620	ug/Kg	☼	08/10/17 16:22	08/16/17 17:53	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*50 - 149*	*08/10/17 16:22*	*08/16/17 17:53*	*100*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*08/10/17 16:22*	*08/16/17 17:53*	*100*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*08/10/17 16:22*	*08/16/17 17:53*	*100*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*08/10/17 16:22*	*08/16/17 17:53*	*100*

Client Sample ID: SB-17 14-16FT

Lab Sample ID: 480-122331-2

Date Collected: 08/07/17 08:35
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1800	500	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,1,2,2-Tetrachloroethane	ND		1800	300	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,1,2-Trichloroethane	ND		1800	380	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1800	910	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,1-Dichloroethane	ND		1800	560	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,1-Dichloroethene	ND		1800	630	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,2,4-Trichlorobenzene	ND		1800	690	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,2-Dibromo-3-Chloropropane	ND		1800	910	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,2-Dichlorobenzene	ND		1800	460	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,2-Dichloroethane	ND		1800	740	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,2-Dichloropropane	ND		1800	300	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,3-Dichlorobenzene	ND		1800	490	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,4-Dichlorobenzene	ND		1800	250	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
2-Butanone (MEK)	ND		9100	5400	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
2-Hexanone	ND		9100	3700	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
4-Methyl-2-pentanone (MIBK)	ND		9100	580	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Acetone	ND		9100	7500	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Benzene	ND		1800	350	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Bromodichloromethane	ND		1800	360	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Bromoform	ND		1800	910	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Bromomethane	ND		1800	400	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Carbon disulfide	ND		1800	830	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Carbon tetrachloride	ND		1800	460	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Chlorobenzene	ND		1800	240	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Dibromochloromethane	ND		1800	880	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Chloroethane	ND		1800	380	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Chloroform	ND		1800	1200	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Chloromethane	ND		1800	430	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
cis-1,2-Dichloroethene	ND		1800	500	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
cis-1,3-Dichloropropene	ND		1800	440	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50

Client Sample ID: SB-17 14-16FT

Date Collected: 08/07/17 08:35
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-2
Matrix: Solid
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1800	400	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Dichlorodifluoromethane	ND		1800	790	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Ethylbenzene	ND		1800	530	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
1,2-Dibromoethane	ND		1800	320	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Isopropylbenzene	ND		1800	270	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Methyl acetate	ND		9100	870	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Methyl tert-butyl ether	ND		1800	690	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Methylcyclohexane	ND		1800	850	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Methylene Chloride	**540**	**J B**	1800	360	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Styrene	ND		1800	440	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Tetrachloroethene	ND		1800	240	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Toluene	ND		1800	490	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
trans-1,2-Dichloroethene	ND		1800	430	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
trans-1,3-Dichloropropene	ND		1800	180	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Trichloroethene	ND		1800	510	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Trichlorofluoromethane	ND		1800	850	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Vinyl chloride	ND		1800	610	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50
Xylenes, Total	ND		3600	1000	ug/Kg	☼	08/13/17 14:56	08/16/17 16:05	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*50 - 149*	*08/13/17 14:56*	*08/16/17 16:05*	*50*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*08/13/17 14:56*	*08/16/17 16:05*	*50*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*	*08/13/17 14:56*	*08/16/17 16:05*	*50*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*08/13/17 14:56*	*08/16/17 16:05*	*50*

Client Sample ID: SB-18 12-14FT

Date Collected: 08/07/17 09:45
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-3
Matrix: Solid
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		68	19	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,1,2,2-Tetrachloroethane	ND		68	11	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,1,2-Trichloroethane	ND		68	14	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		68	34	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,1-Dichloroethane	ND		68	21	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,1-Dichloroethene	ND		68	24	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,2,4-Trichlorobenzene	ND		68	26	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,2-Dibromo-3-Chloropropane	ND		68	34	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,2-Dichlorobenzene	ND		68	17	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,2-Dichloroethane	ND		68	28	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,2-Dichloropropane	ND		68	11	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,3-Dichlorobenzene	ND		68	18	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,4-Dichlorobenzene	ND		68	9.5	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
2-Butanone (MEK)	ND		340	200	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
2-Hexanone	ND		340	140	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
4-Methyl-2-pentanone (MIBK)	ND		340	22	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Acetone	ND		340	280	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Benzene	ND		68	13	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Bromodichloromethane	ND		68	14	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2

Client Sample ID: SB-18 12-14FT

Lab Sample ID: 480-122331-3
Date Collected: 08/07/17 09:45
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 88.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		68	34	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Bromomethane	ND		68	15	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Carbon disulfide	ND		68	31	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Carbon tetrachloride	ND		68	17	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Chlorobenzene	ND		68	9.0	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Dibromochloromethane	ND		68	33	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Chloroethane	ND		68	14	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Chloroform	ND		68	47	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Chloromethane	ND		68	16	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
cis-1,2-Dichloroethene	**140**		68	19	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
cis-1,3-Dichloropropene	ND		68	16	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Cyclohexane	ND		68	15	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Dichlorodifluoromethane	ND		68	30	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Ethylbenzene	ND		68	20	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
1,2-Dibromoethane	ND		68	12	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Isopropylbenzene	ND		68	10	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Methyl acetate	ND		340	32	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Methyl tert-butyl ether	ND		68	26	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Methylcyclohexane	ND		68	32	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Methylene Chloride	**19**	**J B**	68	13	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Styrene	ND		68	16	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Tetrachloroethene	**2900**		68	9.2	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Toluene	ND		68	18	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
trans-1,2-Dichloroethene	ND		68	16	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
trans-1,3-Dichloropropene	ND		68	6.7	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Trichloroethene	**82**		68	19	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Trichlorofluoromethane	ND		68	32	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Vinyl chloride	ND		68	23	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2
Xylenes, Total	ND		140	38	ug/Kg	☼	08/10/17 16:22	08/16/17 18:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*114*		*50 - 149*	*08/10/17 16:22*	*08/16/17 18:20*	*2*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*08/10/17 16:22*	*08/16/17 18:20*	*2*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*08/10/17 16:22*	*08/16/17 18:20*	*2*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*08/10/17 16:22*	*08/16/17 18:20*	*2*

Client Sample ID: SB-19 14-16FT

Lab Sample ID: 480-122331-4
Date Collected: 08/07/17 13:40
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 85.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.9	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.9	0.31	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,1,2-Trichloroethane	ND		1.9	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.9	0.44	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,1-Dichloroethane	ND		1.9	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,1-Dichloroethene	ND		1.9	0.24	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,2,4-Trichlorobenzene	ND		1.9	0.12	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,2-Dibromo-3-Chloropropane	ND		1.9	0.96	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1

Client Sample ID: SB-19 14-16FT
Date Collected: 08/07/17 13:40
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-4
Matrix: Solid
Percent Solids: 85.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		1.9	0.15	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,2-Dichloroethane	ND		1.9	0.097	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,2-Dichloropropane	ND		1.9	0.96	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,3-Dichlorobenzene	ND		1.9	0.099	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,4-Dichlorobenzene	ND		1.9	0.27	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
2-Butanone (MEK)	ND		9.6	0.70	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
2-Hexanone	ND		9.6	0.96	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		9.6	0.63	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Acetone	**9.0**	**J**	9.6	1.6	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Benzene	ND		1.9	0.094	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Bromodichloromethane	ND		1.9	0.26	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Bromoform	ND		1.9	0.96	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Bromomethane	ND	*	1.9	0.17	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Carbon disulfide	ND		1.9	0.96	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Carbon tetrachloride	ND		1.9	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Chlorobenzene	ND		1.9	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Dibromochloromethane	ND		1.9	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Chloroethane	ND	*	1.9	0.43	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Chloroform	ND		1.9	0.12	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Chloromethane	ND		1.9	0.12	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
cis-1,2-Dichloroethene	ND		1.9	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
cis-1,3-Dichloropropene	ND		1.9	0.28	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Cyclohexane	ND		1.9	0.27	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Dichlorodifluoromethane	ND		1.9	0.16	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Ethylbenzene	ND		1.9	0.13	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
1,2-Dibromoethane	ND		1.9	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Isopropylbenzene	ND		1.9	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Methyl acetate	ND		9.6	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Methyl tert-butyl ether	ND		1.9	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Methylcyclohexane	ND		1.9	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Methylene Chloride	ND		1.9	0.89	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Styrene	ND		1.9	0.096	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Tetrachloroethene	**0.59**	**J**	1.9	0.26	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Toluene	ND		1.9	0.15	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
trans-1,2-Dichloroethene	ND		1.9	0.20	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
trans-1,3-Dichloropropene	ND		1.9	0.85	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Trichloroethene	ND		1.9	0.42	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Trichlorofluoromethane	ND		1.9	0.18	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Vinyl chloride	ND		1.9	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1
Xylenes, Total	ND		3.8	0.32	ug/Kg	☼	08/08/17 02:00	08/08/17 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*71 - 125*	*08/08/17 02:00*	*08/08/17 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*64 - 126*	*08/08/17 02:00*	*08/08/17 16:05*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*08/08/17 02:00*	*08/08/17 16:05*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*08/08/17 02:00*	*08/08/17 16:05*	*1*

Client Sample ID: SB-20 8-10FT
Date Collected: 08/07/17 15:05
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-5
Matrix: Solid
Percent Solids: 88.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.3	0.17	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,1,2,2-Tetrachloroethane	ND		2.3	0.38	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,1,2-Trichloroethane	ND		2.3	0.30	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.3	0.53	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,1-Dichloroethane	ND		2.3	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,1-Dichloroethene	ND		2.3	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,2,4-Trichlorobenzene	ND		2.3	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,2-Dibromo-3-Chloropropane	ND		2.3	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,2-Dichlorobenzene	ND		2.3	0.18	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,2-Dichloroethane	ND		2.3	0.12	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,2-Dichloropropane	ND		2.3	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,3-Dichlorobenzene	ND		2.3	0.12	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,4-Dichlorobenzene	ND		2.3	0.33	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
2-Butanone (MEK)	ND		12	0.86	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
2-Hexanone	ND		12	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
4-Methyl-2-pentanone (MIBK)	ND		12	0.77	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Acetone	ND		12	2.0	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Benzene	ND		2.3	0.11	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Bromodichloromethane	ND		2.3	0.31	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Bromoform	ND		2.3	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Bromomethane	ND	*	2.3	0.21	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Carbon disulfide	ND		2.3	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Carbon tetrachloride	ND		2.3	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Chlorobenzene	ND		2.3	0.31	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Dibromochloromethane	ND		2.3	0.30	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Chloroethane	ND	*	2.3	0.53	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Chloroform	ND		2.3	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Chloromethane	ND		2.3	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
cis-1,2-Dichloroethene	ND		2.3	0.30	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
cis-1,3-Dichloropropene	ND		2.3	0.34	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Cyclohexane	ND		2.3	0.33	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Dichlorodifluoromethane	ND		2.3	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Ethylbenzene	ND		2.3	0.16	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
1,2-Dibromoethane	ND		2.3	0.30	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Isopropylbenzene	ND		2.3	0.35	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Methyl acetate	ND		12	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Methyl tert-butyl ether	ND		2.3	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Methylcyclohexane	ND		2.3	0.36	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Methylene Chloride	ND		2.3	1.1	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Styrene	ND		2.3	0.12	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Tetrachloroethene	ND		2.3	0.31	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Toluene	ND		2.3	0.18	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
trans-1,2-Dichloroethene	ND		2.3	0.24	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
trans-1,3-Dichloropropene	ND		2.3	1.0	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Trichloroethene	ND		2.3	0.52	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Trichlorofluoromethane	ND		2.3	0.22	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Vinyl chloride	ND		2.3	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1
Xylenes, Total	ND		4.7	0.39	ug/Kg	☼	08/08/17 02:00	08/08/17 16:30	1

Client Sample ID: SB-20 8-10FT

Lab Sample ID: 480-122331-5

Date Collected: 08/07/17 15:05
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 88.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*71 - 125*	*08/08/17 02:00*	*08/08/17 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*08/08/17 02:00*	*08/08/17 16:30*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*08/08/17 02:00*	*08/08/17 16:30*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*08/08/17 02:00*	*08/08/17 16:30*	*1*

Client Sample ID: SB-21 14-16FT

Lab Sample ID: 480-122331-6

Date Collected: 08/07/17 16:00
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 81.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.0	0.22	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,1,2,2-Tetrachloroethane	ND		3.0	0.49	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,1,2-Trichloroethane	ND		3.0	0.39	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.0	0.69	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,1-Dichloroethane	ND		3.0	0.37	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,1-Dichloroethene	ND		3.0	0.37	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,2,4-Trichlorobenzene	ND		3.0	0.18	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,2-Dibromo-3-Chloropropane	ND		3.0	1.5	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,2-Dichlorobenzene	ND		3.0	0.24	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,2-Dichloroethane	ND		3.0	0.15	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,2-Dichloropropane	ND		3.0	1.5	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,3-Dichlorobenzene	ND		3.0	0.16	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,4-Dichlorobenzene	ND		3.0	0.42	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
2-Butanone (MEK)	ND		15	1.1	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
2-Hexanone	ND		15	1.5	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
4-Methyl-2-pentanone (MIBK)	ND		15	0.99	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Acetone	**6.7**	**J**	15	2.5	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Benzene	ND		3.0	0.15	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Bromodichloromethane	ND		3.0	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Bromoform	ND		3.0	1.5	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Bromomethane	ND	*	3.0	0.27	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Carbon disulfide	ND		3.0	1.5	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Carbon tetrachloride	ND		3.0	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Chlorobenzene	ND		3.0	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Dibromochloromethane	ND		3.0	0.39	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Chloroethane	ND	*	3.0	0.68	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Chloroform	ND		3.0	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Chloromethane	ND		3.0	0.18	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
cis-1,2-Dichloroethene	ND		3.0	0.39	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
cis-1,3-Dichloropropene	ND		3.0	0.43	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Cyclohexane	ND		3.0	0.42	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Dichlorodifluoromethane	ND		3.0	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Ethylbenzene	ND		3.0	0.21	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
1,2-Dibromoethane	ND		3.0	0.39	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Isopropylbenzene	ND		3.0	0.45	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Methyl acetate	ND		15	1.8	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Methyl tert-butyl ether	ND		3.0	0.30	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Methylcyclohexane	ND		3.0	0.46	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Methylene Chloride	ND		3.0	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1

Client Sample ID: SB-21 14-16FT

Date Collected: 08/07/17 16:00
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-6

Matrix: Solid
Percent Solids: 81.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		3.0	0.15	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Tetrachloroethene	ND		3.0	0.40	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Toluene	ND		3.0	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
trans-1,2-Dichloroethene	ND		3.0	0.31	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
trans-1,3-Dichloropropene	ND		3.0	1.3	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Trichloroethene	ND		3.0	0.66	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Trichlorofluoromethane	ND		3.0	0.29	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Vinyl chloride	ND		3.0	0.37	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1
Xylenes, Total	ND		6.0	0.51	ug/Kg	☼	08/08/17 02:00	08/08/17 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 125*	*08/08/17 02:00*	*08/08/17 16:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*08/08/17 02:00*	*08/08/17 16:55*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 126*	*08/08/17 02:00*	*08/08/17 16:55*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*08/08/17 02:00*	*08/08/17 16:55*	*1*

Client Sample ID: SB-22 4-6FT

Date Collected: 08/07/17 17:35
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-7

Matrix: Solid
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	0.20	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,1,2,2-Tetrachloroethane	ND		2.7	0.44	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,1,2-Trichloroethane	ND		2.7	0.36	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.7	0.62	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,1-Dichloroethane	ND		2.7	0.33	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,1-Dichloroethene	ND		2.7	0.34	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,2,4-Trichlorobenzene	ND		2.7	0.17	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,2-Dibromo-3-Chloropropane	ND		2.7	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,2-Dichlorobenzene	ND		2.7	0.21	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,2-Dichloroethane	ND		2.7	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,2-Dichloropropane	ND		2.7	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,3-Dichlorobenzene	ND		2.7	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,4-Dichlorobenzene	ND		2.7	0.38	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
2-Butanone (MEK)	ND		14	1.0	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
2-Hexanone	ND		14	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		14	0.90	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Acetone	ND		14	2.3	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Benzene	ND		2.7	0.13	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Bromodichloromethane	ND		2.7	0.37	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Bromoform	ND		2.7	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Bromomethane	ND	*	2.7	0.25	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Carbon disulfide	ND		2.7	1.4	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Carbon tetrachloride	ND		2.7	0.27	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Chlorobenzene	ND		2.7	0.36	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Dibromochloromethane	ND		2.7	0.35	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Chloroethane	ND	*	2.7	0.62	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Chloroform	ND		2.7	0.17	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Chloromethane	ND		2.7	0.17	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1

Client Sample ID: SB-22 4-6FT
Date Collected: 08/07/17 17:35
Date Received: 08/08/17 19:51

Lab Sample ID: 480-122331-7
Matrix: Solid
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2.7	0.35	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
cis-1,3-Dichloropropene	ND		2.7	0.39	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Cyclohexane	ND		2.7	0.38	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Dichlorodifluoromethane	ND		2.7	0.23	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Ethylbenzene	ND		2.7	0.19	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
1,2-Dibromoethane	ND		2.7	0.35	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Isopropylbenzene	ND		2.7	0.41	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Methyl acetate	ND		14	1.7	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Methyl tert-butyl ether	ND		2.7	0.27	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Methylcyclohexane	ND		2.7	0.42	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Methylene Chloride	ND		2.7	1.3	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Styrene	ND		2.7	0.14	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Tetrachloroethene	ND		2.7	0.37	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Toluene	ND		2.7	0.21	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
trans-1,2-Dichloroethene	ND		2.7	0.28	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
trans-1,3-Dichloropropene	ND		2.7	1.2	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Trichloroethene	ND		2.7	0.60	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Trichlorofluoromethane	ND		2.7	0.26	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Vinyl chloride	ND		2.7	0.33	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1
Xylenes, Total	ND		5.5	0.46	ug/Kg	☼	08/08/17 02:00	08/08/17 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 125*	*08/08/17 02:00*	*08/08/17 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*08/08/17 02:00*	*08/08/17 17:21*	*1*
4-Bromofluorobenzene (Surr)	*87*		*72 - 126*	*08/08/17 02:00*	*08/08/17 17:21*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*08/08/17 02:00*	*08/08/17 17:21*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)	(60-140)
480-122331-1	SB-17 0.6-2FT	96	106	86	100
480-122331-4	SB-19 14-16FT	107	111	85	105
480-122331-5	SB-20 8-10FT	101	109	85	103
480-122331-6	SB-21 14-16FT	98	109	87	101
480-122331-7	SB-22 4-6FT	97	108	87	100
LCS 480-370979/17-A	Lab Control Sample	99	102	92	101
MB 480-370979/2-A	Method Blank	97	102	89	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(50-149)	(53-146)	(49-148)	(60-140)
480-122331-1 - DL	SB-17 0.6-2FT	110	93	99	100
480-122331-2	SB-17 14-16FT	111	101	105	106
480-122331-3	SB-18 12-14FT	114	90	100	98
LCS 480-371600/1-A	Lab Control Sample	113	105	105	110
LCS 480-371903/1-A	Lab Control Sample	113	104	103	110
MB 480-371600/2-A	Method Blank	110	97	101	94
MB 480-371903/13-A	Method Blank	112	103	104	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-370979/2-A
Matrix: Solid
Analysis Batch: 370956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 370979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
2-Hexanone	ND		25	2.5	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Acetone	ND		25	4.2	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Benzene	ND		5.0	0.25	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Bromoform	ND		5.0	2.5	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Chloroform	ND		5.0	0.31	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Methyl acetate	ND		25	3.0	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Styrene	ND		5.0	0.25	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Toluene	ND		5.0	0.38	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/08/17 09:03	08/08/17 11:28	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/08/17 09:03	08/08/17 11:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	08/08/17 09:03	08/08/17 11:28	1
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	08/08/17 09:03	08/08/17 11:28	1
4-Bromofluorobenzene (Surr)	89		72 - 126	08/08/17 09:03	08/08/17 11:28	1
Dibromofluoromethane (Surr)	98		60 - 140	08/08/17 09:03	08/08/17 11:28	1

Lab Sample ID: LCS 480-370979/17-A
Matrix: Solid
Analysis Batch: 370956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 370979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	43.6		ug/Kg		87	77 - 121
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/Kg		101	80 - 120
1,1,2-Trichloroethane	50.0	47.9		ug/Kg		96	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.2		ug/Kg		88	60 - 140
1,1-Dichloroethane	50.0	49.4		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	46.5		ug/Kg		93	59 - 125
1,2,4-Trichlorobenzene	50.0	46.1		ug/Kg		92	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	45.8		ug/Kg		92	63 - 124
1,2-Dichlorobenzene	50.0	47.4		ug/Kg		95	75 - 120
1,2-Dichloroethane	50.0	47.8		ug/Kg		96	77 - 122
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	75 - 124
1,3-Dichlorobenzene	50.0	48.0		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	48.1		ug/Kg		96	73 - 120
2-Butanone (MEK)	250	233		ug/Kg		93	70 - 134
2-Hexanone	250	241		ug/Kg		96	59 - 130
4-Methyl-2-pentanone (MIBK)	250	243		ug/Kg		97	65 - 133
Acetone	250	198		ug/Kg		79	61 - 137
Benzene	50.0	48.4		ug/Kg		97	79 - 127
Bromodichloromethane	50.0	49.5		ug/Kg		99	80 - 122
Bromoform	50.0	38.1		ug/Kg		76	68 - 126
Bromomethane	50.0	80.9	*	ug/Kg		162	37 - 149
Carbon disulfide	50.0	42.8		ug/Kg		86	64 - 131
Carbon tetrachloride	50.0	41.5		ug/Kg		83	75 - 135
Chlorobenzene	50.0	46.4		ug/Kg		93	76 - 124
Dibromochloromethane	50.0	41.9		ug/Kg		84	76 - 125
Chloroethane	50.0	78.7	*	ug/Kg		157	69 - 135
Chloroform	50.0	48.5		ug/Kg		97	80 - 120
Chloromethane	50.0	49.7		ug/Kg		99	63 - 127
cis-1,2-Dichloroethene	50.0	49.2		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	46.9		ug/Kg		94	80 - 120
Cyclohexane	50.0	43.3		ug/Kg		87	65 - 120
Dichlorodifluoromethane	50.0	35.8		ug/Kg		72	57 - 142
Ethylbenzene	50.0	48.2		ug/Kg		96	80 - 120
1,2-Dibromoethane	50.0	47.2		ug/Kg		94	78 - 120
Isopropylbenzene	50.0	48.0		ug/Kg		96	72 - 120
Methyl acetate	250	237		ug/Kg		95	55 - 136
Methyl tert-butyl ether	50.0	48.5		ug/Kg		97	63 - 125
Methylcyclohexane	50.0	42.6		ug/Kg		85	60 - 140
Methylene Chloride	50.0	51.1		ug/Kg		102	61 - 127
Styrene	50.0	46.9		ug/Kg		94	80 - 120
Tetrachloroethene	50.0	44.2		ug/Kg		88	74 - 122
Toluene	50.0	46.4		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	78 - 126

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-370979/17-A
Matrix: Solid
Analysis Batch: 370956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 370979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	46.5		ug/Kg		93	73 - 123
Trichloroethene	50.0	46.6		ug/Kg		93	77 - 129
Trichlorofluoromethane	50.0	51.4		ug/Kg		103	65 - 146
Vinyl chloride	50.0	50.8		ug/Kg		102	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: MB 480-371600/2-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,1-Dichloroethane	ND		100	31	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,1-Dichloroethene	ND		100	35	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,2-Dichloroethane	ND		100	41	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,2-Dichloropropane	ND		100	16	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
2-Butanone (MEK)	ND		500	300	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
2-Hexanone	ND		500	210	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Acetone	ND		500	410	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Benzene	ND		100	19	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Bromodichloromethane	ND		100	20	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Bromoform	ND		100	50	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Bromomethane	ND		100	22	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Carbon disulfide	ND		100	46	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Carbon tetrachloride	ND		100	26	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Chlorobenzene	ND		100	13	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Dibromochloromethane	ND		100	48	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Chloroethane	ND		100	21	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Chloroform	ND		100	69	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Chloromethane	ND		100	24	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Cyclohexane	ND		100	22	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		08/10/17 16:22	08/16/17 13:10	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-371600/2-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371600

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100	29	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
1,2-Dibromoethane	ND		100	18	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Isopropylbenzene	ND		100	15	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Methyl acetate	ND		500	48	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Methylcyclohexane	ND		100	47	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Methylene Chloride	33.8	J	100	20	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Styrene	ND		100	24	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Tetrachloroethene	ND		100	13	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Toluene	ND		100	27	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Trichloroethene	ND		100	28	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Trichlorofluoromethane	ND		100	47	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Vinyl chloride	ND		100	34	ug/Kg		08/10/17 16:22	08/16/17 13:10	1
Xylenes, Total	ND		200	55	ug/Kg		08/10/17 16:22	08/16/17 13:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*50 - 149*	*08/10/17 16:22*	*08/16/17 13:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*08/10/17 16:22*	*08/16/17 13:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*08/10/17 16:22*	*08/16/17 13:10*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*08/10/17 16:22*	*08/16/17 13:10*	*1*

Lab Sample ID: LCS 480-371600/1-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2610		ug/Kg		105	68 - 130
1,1,2,2-Tetrachloroethane	2500	2290		ug/Kg		92	73 - 120
1,1,2-Trichloroethane	2500	2450		ug/Kg		98	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2670		ug/Kg		107	10 - 179
1,1-Dichloroethane	2500	2360		ug/Kg		95	78 - 121
1,1-Dichloroethene	2500	2890		ug/Kg		115	48 - 133
1,2,4-Trichlorobenzene	2500	2490		ug/Kg		100	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1760		ug/Kg		70	56 - 122
1,2-Dichlorobenzene	2500	2410		ug/Kg		97	78 - 125
1,2-Dichloroethane	2500	2200		ug/Kg		88	74 - 127
1,2-Dichloropropane	2500	2640		ug/Kg		106	80 - 120
1,3-Dichlorobenzene	2500	2540		ug/Kg		102	80 - 120
1,4-Dichlorobenzene	2500	2400		ug/Kg		96	80 - 120
2-Butanone (MEK)	12500	10100		ug/Kg		81	54 - 149
2-Hexanone	12500	10600		ug/Kg		85	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10700		ug/Kg		86	74 - 120
Acetone	12500	8620		ug/Kg		69	47 - 141
Benzene	2500	2630		ug/Kg		105	77 - 125
Bromodichloromethane	2500	2420		ug/Kg		97	71 - 121

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-371600/1-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371600

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	2500	1730		ug/Kg		69	48 - 125
Bromomethane	2500	2220		ug/Kg		89	39 - 149
Carbon disulfide	2500	2420		ug/Kg		97	40 - 136
Carbon tetrachloride	2500	2660		ug/Kg		107	54 - 135
Chlorobenzene	2500	2470		ug/Kg		99	76 - 126
Dibromochloromethane	2500	2520		ug/Kg		101	64 - 120
Chloroethane	2500	1560		ug/Kg		63	23 - 150
Chloroform	2500	2320		ug/Kg		93	78 - 120
Chloromethane	2500	2180		ug/Kg		87	61 - 124
cis-1,2-Dichloroethene	2500	2550		ug/Kg		102	79 - 124
cis-1,3-Dichloropropene	2500	2970		ug/Kg		119	75 - 121
Cyclohexane	2500	2470		ug/Kg		99	49 - 129
Dichlorodifluoromethane	2500	2820		ug/Kg		113	10 - 150
Ethylbenzene	2500	2480		ug/Kg		99	78 - 124
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
Isopropylbenzene	2500	2860		ug/Kg		114	76 - 120
Methyl acetate	12500	9720		ug/Kg		78	71 - 123
Methyl tert-butyl ether	2500	2450		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2680		ug/Kg		107	50 - 130
Methylene Chloride	2500	2320		ug/Kg		93	75 - 118
Styrene	2500	2640		ug/Kg		106	80 - 120
Tetrachloroethene	2500	2620		ug/Kg		105	73 - 133
Toluene	2500	2660		ug/Kg		106	75 - 124
trans-1,2-Dichloroethene	2500	2480		ug/Kg		99	74 - 129
trans-1,3-Dichloropropene	2500	2750		ug/Kg		110	73 - 120
Trichloroethene	2500	2730		ug/Kg		109	75 - 131
Trichlorofluoromethane	2500	2370		ug/Kg		95	29 - 158
Vinyl chloride	2500	2530		ug/Kg		101	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*113*		*50 - 149*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*110*		*60 - 140*

Lab Sample ID: MB 480-371903/13-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,1-Dichloroethane	ND		100	31	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,1-Dichloroethene	ND		100	35	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		08/13/17 14:56	08/16/17 12:42	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-371903/13-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		100	26	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,2-Dichloroethane	ND		100	41	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,2-Dichloropropane	ND		100	16	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
2-Butanone (MEK)	ND		500	300	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
2-Hexanone	ND		500	210	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Acetone	ND		500	410	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Benzene	ND		100	19	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Bromodichloromethane	ND		100	20	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Bromoform	ND		100	50	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Bromomethane	ND		100	22	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Carbon disulfide	ND		100	46	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Carbon tetrachloride	ND		100	26	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Chlorobenzene	ND		100	13	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Dibromochloromethane	ND		100	48	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Chloroethane	ND		100	21	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Chloroform	ND		100	69	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Chloromethane	ND		100	24	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Cyclohexane	ND		100	22	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Ethylbenzene	ND		100	29	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
1,2-Dibromoethane	ND		100	18	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Isopropylbenzene	ND		100	15	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Methyl acetate	ND		500	48	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Methylcyclohexane	ND		100	47	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Methylene Chloride	32.6	J	100	20	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Styrene	ND		100	24	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Tetrachloroethene	ND		100	13	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Toluene	ND		100	27	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Trichloroethene	ND		100	28	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Trichlorofluoromethane	ND		100	47	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Vinyl chloride	ND		100	34	ug/Kg		08/13/17 14:56	08/16/17 12:42	1
Xylenes, Total	ND		200	55	ug/Kg		08/13/17 14:56	08/16/17 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*50 - 149*	*08/13/17 14:56*	*08/16/17 12:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*08/13/17 14:56*	*08/16/17 12:42*	*1*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*08/13/17 14:56*	*08/16/17 12:42*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*08/13/17 14:56*	*08/16/17 12:42*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-371903/1-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2480		ug/Kg		99	68 - 130
1,1,2,2-Tetrachloroethane	2500	2220		ug/Kg		89	73 - 120
1,1,2-Trichloroethane	2500	2330		ug/Kg		93	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2450		ug/Kg		98	10 - 179
1,1-Dichloroethane	2500	2260		ug/Kg		91	78 - 121
1,1-Dichloroethene	2500	2440		ug/Kg		98	48 - 133
1,2,4-Trichlorobenzene	2500	2470		ug/Kg		99	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1630		ug/Kg		65	56 - 122
1,2-Dichlorobenzene	2500	2370		ug/Kg		95	78 - 125
1,2-Dichloroethane	2500	2130		ug/Kg		85	74 - 127
1,2-Dichloropropane	2500	2470		ug/Kg		99	80 - 120
1,3-Dichlorobenzene	2500	2420		ug/Kg		97	80 - 120
1,4-Dichlorobenzene	2500	2330		ug/Kg		93	80 - 120
2-Butanone (MEK)	12500	9870		ug/Kg		79	54 - 149
2-Hexanone	12500	9930		ug/Kg		79	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10700		ug/Kg		86	74 - 120
Acetone	12500	8430		ug/Kg		67	47 - 141
Benzene	2500	2530		ug/Kg		101	77 - 125
Bromodichloromethane	2500	2380		ug/Kg		95	71 - 121
Bromoform	2500	1690		ug/Kg		68	48 - 125
Bromomethane	2500	2300		ug/Kg		92	39 - 149
Carbon disulfide	2500	2380		ug/Kg		95	40 - 136
Carbon tetrachloride	2500	2410		ug/Kg		97	54 - 135
Chlorobenzene	2500	2360		ug/Kg		94	76 - 126
Dibromochloromethane	2500	2440		ug/Kg		98	64 - 120
Chloroethane	2500	1550		ug/Kg		62	23 - 150
Chloroform	2500	2230		ug/Kg		89	78 - 120
Chloromethane	2500	2150		ug/Kg		86	61 - 124
cis-1,2-Dichloroethene	2500	2420		ug/Kg		97	79 - 124
cis-1,3-Dichloropropene	2500	2710		ug/Kg		108	75 - 121
Cyclohexane	2500	2380		ug/Kg		95	49 - 129
Dichlorodifluoromethane	2500	2560		ug/Kg		103	10 - 150
Ethylbenzene	2500	2410		ug/Kg		96	78 - 124
1,2-Dibromoethane	2500	2370		ug/Kg		95	80 - 120
Isopropylbenzene	2500	2820		ug/Kg		113	76 - 120
Methyl acetate	12500	9330		ug/Kg		75	71 - 123
Methyl tert-butyl ether	2500	2380		ug/Kg		95	67 - 137
Methylcyclohexane	2500	2500		ug/Kg		100	50 - 130
Methylene Chloride	2500	2290		ug/Kg		91	75 - 118
Styrene	2500	2450		ug/Kg		98	80 - 120
Tetrachloroethene	2500	2490		ug/Kg		100	73 - 133
Toluene	2500	2550		ug/Kg		102	75 - 124
trans-1,2-Dichloroethene	2500	2430		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2690		ug/Kg		108	73 - 120
Trichloroethene	2500	2630		ug/Kg		105	75 - 131
Trichlorofluoromethane	2500	2320		ug/Kg		93	29 - 158
Vinyl chloride	2500	2450		ug/Kg		98	59 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-371903/1-A
Matrix: Solid
Analysis Batch: 372356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371903

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	113		50 - 149
1,2-Dichloroethane-d4 (Surr)	104		53 - 146
4-Bromofluorobenzene (Surr)	103		49 - 148
Dibromofluoromethane (Surr)	110		60 - 140

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

GC/MS VOA

Analysis Batch: 370956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-1	SB-17 0.6-2FT	Total/NA	Solid	8260C	370979
480-122331-4	SB-19 14-16FT	Total/NA	Solid	8260C	370979
480-122331-5	SB-20 8-10FT	Total/NA	Solid	8260C	370979
480-122331-6	SB-21 14-16FT	Total/NA	Solid	8260C	370979
480-122331-7	SB-22 4-6FT	Total/NA	Solid	8260C	370979
MB 480-370979/2-A	Method Blank	Total/NA	Solid	8260C	370979
LCS 480-370979/17-A	Lab Control Sample	Total/NA	Solid	8260C	370979

Prep Batch: 370979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-1	SB-17 0.6-2FT	Total/NA	Solid	5035A_L	
480-122331-4	SB-19 14-16FT	Total/NA	Solid	5035A_L	
480-122331-5	SB-20 8-10FT	Total/NA	Solid	5035A_L	
480-122331-6	SB-21 14-16FT	Total/NA	Solid	5035A_L	
480-122331-7	SB-22 4-6FT	Total/NA	Solid	5035A_L	
MB 480-370979/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-370979/17-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Prep Batch: 371600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-1 - DL	SB-17 0.6-2FT	Total/NA	Solid	5035A_H	
480-122331-3	SB-18 12-14FT	Total/NA	Solid	5035A_H	
MB 480-371600/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-371600/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Prep Batch: 371903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-2	SB-17 14-16FT	Total/NA	Solid	5035A_H	
MB 480-371903/13-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-371903/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 372356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-1 - DL	SB-17 0.6-2FT	Total/NA	Solid	8260C	371600
480-122331-2	SB-17 14-16FT	Total/NA	Solid	8260C	371903
480-122331-3	SB-18 12-14FT	Total/NA	Solid	8260C	371600
MB 480-371600/2-A	Method Blank	Total/NA	Solid	8260C	371600
MB 480-371903/13-A	Method Blank	Total/NA	Solid	8260C	371903
LCS 480-371600/1-A	Lab Control Sample	Total/NA	Solid	8260C	371600
LCS 480-371903/1-A	Lab Control Sample	Total/NA	Solid	8260C	371903

General Chemistry

Analysis Batch: 371107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-1	SB-17 0.6-2FT	Total/NA	Solid	Moisture	
480-122331-2	SB-17 14-16FT	Total/NA	Solid	Moisture	
480-122331-3	SB-18 12-14FT	Total/NA	Solid	Moisture	
480-122331-4	SB-19 14-16FT	Total/NA	Solid	Moisture	
480-122331-5	SB-20 8-10FT	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 371107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-122331-6	SB-21 14-16FT	Total/NA	Solid	Moisture	
480-122331-7	SB-22 4-6FT	Total/NA	Solid	Moisture	

Client Sample ID: SB-17 0.6-2FT
Lab Sample ID: 480-122331-1
Date Collected: 08/07/17 08:35
Matrix: Solid
Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-17 0.6-2FT
Lab Sample ID: 480-122331-1
Date Collected: 08/07/17 08:35
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			370979	08/08/17 02:00	AMM	TAL BUF
Total/NA	Analysis	8260C		1	370956	08/08/17 14:48	AMM	TAL BUF
Total/NA	Prep	5035A_H	DL		371600	08/10/17 16:22	NEA	TAL BUF
Total/NA	Analysis	8260C	DL	100	372356	08/16/17 17:53	ARS	TAL BUF

Client Sample ID: SB-17 14-16FT
Lab Sample ID: 480-122331-2
Date Collected: 08/07/17 08:35
Matrix: Solid
Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-17 14-16FT
Lab Sample ID: 480-122331-2
Date Collected: 08/07/17 08:35
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			371903	08/13/17 14:56	NEA	TAL BUF
Total/NA	Analysis	8260C		50	372356	08/16/17 16:05	ARS	TAL BUF

Client Sample ID: SB-18 12-14FT
Lab Sample ID: 480-122331-3
Date Collected: 08/07/17 09:45
Matrix: Solid
Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-18 12-14FT
Lab Sample ID: 480-122331-3
Date Collected: 08/07/17 09:45
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			371600	08/10/17 16:22	NEA	TAL BUF
Total/NA	Analysis	8260C		2	372356	08/16/17 18:20	ARS	TAL BUF

Client Sample ID: SB-19 14-16FT
Lab Sample ID: 480-122331-4
Date Collected: 08/07/17 13:40
Matrix: Solid
Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-19 14-16FT
Lab Sample ID: 480-122331-4
Date Collected: 08/07/17 13:40
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			370979	08/08/17 02:00	AMM	TAL BUF
Total/NA	Analysis	8260C		1	370956	08/08/17 16:05	AMM	TAL BUF

Client Sample ID: SB-20 8-10FT
Lab Sample ID: 480-122331-5
Date Collected: 08/07/17 15:05
Matrix: Solid
Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-20 8-10FT
Lab Sample ID: 480-122331-5
Date Collected: 08/07/17 15:05
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			370979	08/08/17 02:00	AMM	TAL BUF
Total/NA	Analysis	8260C		1	370956	08/08/17 16:30	AMM	TAL BUF

Client Sample ID: SB-21 14-16FT
Lab Sample ID: 480-122331-6
Date Collected: 08/07/17 16:00
Matrix: Solid
Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-21 14-16FT
Lab Sample ID: 480-122331-6
Date Collected: 08/07/17 16:00
Matrix: Solid
Date Received: 08/08/17 19:51
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			370979	08/08/17 02:00	AMM	TAL BUF
Total/NA	Analysis	8260C		1	370956	08/08/17 16:55	AMM	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Client Sample ID: SB-22 4-6FT

Lab Sample ID: 480-122331-7

Date Collected: 08/07/17 17:35

Matrix: Solid

Date Received: 08/08/17 19:51

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	371107	08/08/17 14:41	AMM	TAL BUF

Client Sample ID: SB-22 4-6FT

Lab Sample ID: 480-122331-7

Date Collected: 08/07/17 17:35

Matrix: Solid

Date Received: 08/08/17 19:51

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			370979	08/08/17 02:00	AMM	TAL BUF
Total/NA	Analysis	8260C		1	370956	08/08/17 17:21	AMM	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-122331-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-122331-1	SB-17 0.6-2FT	Solid	08/07/17 08:35	08/08/17 19:51
480-122331-2	SB-17 14-16FT	Solid	08/07/17 08:35	08/08/17 19:51
480-122331-3	SB-18 12-14FT	Solid	08/07/17 09:45	08/08/17 19:51
480-122331-4	SB-19 14-16FT	Solid	08/07/17 13:40	08/08/17 19:51
480-122331-5	SB-20 8-10FT	Solid	08/07/17 15:05	08/08/17 19:51
480-122331-6	SB-21 14-16FT	Solid	08/07/17 16:00	08/08/17 19:51
480-122331-7	SB-22 4-6FT	Solid	08/07/17 17:35	08/08/17 19:51

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
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480-122331 COC

Client Information	Sampler: Shannon Dalton	Lab PM: Deyo, Melissa L	Ca	COC No: 480-100691-23963.2
Client Contact: Shannon Dalton	Phone: 716-710-3043	E-Mail: melissa.deyo@testamericainc.com		Page: Page 2 of 2
Company: LaBella Associates DPC				Job #:
Address: 300 Pearl Street Suite 130	Due Date Requested:			
City: Buffalo	TAT Requested (days): Standard			
State, Zip: NY, 14202				
Phone: 716-768-3184(Tel)	PO #: Purchase Order not required			
Email: SDalton@LaBellaPC.com	WO #:			
Project Name: Phase 2 - 11075 Walden Avenue, Alden, NY	Project #: 48016502			
Site: 11075 Walden Ave	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	TO15 - Routine TO15 (all74)	8260C - TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
SB-17 0.6-2ft	8/7/17	8:35	G	Solid				X		
SB-17 14-16ft	8/7/17	8:35	G	Solid				X		
SB-18 12-14ft	8/7/17	9:45	G	Solid				X		
SB-19 14-16ft	8/7/17	13:40	G	Solid				X		
SB-20 8-10ft	8/7/17	15:05	G	Solid				X		
SB-21 14-16ft	8/7/17	16:00	G	Solid				X		
SB-22 4-6ft	8/7/17	17:35	G	Solid				X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Shannon Dalton	8/7 / 19:45		Received by:	8/7 19:51	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.2 #1

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-122331-1

Login Number: 122331
List Number: 1
Creator: Williams, Christopher S

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 (Excluding tests with immediate HTs)..	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.	True	
Sample Preservation Verified	True	FREEZER ON 08AUG2017 @ 0200
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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	LA BELLA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-40374-1
Client Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Adam Zebrowski

Authorized for release by:
10/17/2017 4:35:03 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: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Job ID: 200-40374-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-40374-1

Comments
No additional comments.

Receipt
The samples were received on 10/6/2017 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions
During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: OD2 (200-40374-7). The associated flow controller was evaluated upon receipt and was found to be outside the acceptable flow range as compared to the original set flow rate. The client was contacted, and the laboratory was instructed to proceed with the analysis with the addition of makeup air.

Air Toxics
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: SS3

Lab Sample ID: 200-40374-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.56	J	1.0	0.094	ppb v/v	2		TO-15	Total/NA
Freon 22	1.0		1.0	0.40	ppb v/v	2		TO-15	Total/NA
Chloromethane	0.54	J	1.0	0.32	ppb v/v	2		TO-15	Total/NA
n-Butane	45		1.0	0.092	ppb v/v	2		TO-15	Total/NA
Trichlorofluoromethane	0.26	J	0.40	0.062	ppb v/v	2		TO-15	Total/NA
Freon TF	0.085	J	0.40	0.054	ppb v/v	2		TO-15	Total/NA
Acetone	43		10	2.6	ppb v/v	2		TO-15	Total/NA
Isopropyl alcohol	3.2	J	10	0.26	ppb v/v	2		TO-15	Total/NA
Carbon disulfide	0.96	J	1.0	0.056	ppb v/v	2		TO-15	Total/NA
Methylene Chloride	0.16	J	1.0	0.14	ppb v/v	2		TO-15	Total/NA
n-Hexane	11		0.40	0.092	ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	5.9		1.0	0.22	ppb v/v	2		TO-15	Total/NA
cis-1,2-Dichloroethene	1.1		0.40	0.058	ppb v/v	2		TO-15	Total/NA
1,2-Dichloroethene, Total	1.1		0.80	0.058	ppb v/v	2		TO-15	Total/NA
Chloroform	0.11	J	0.40	0.050	ppb v/v	2		TO-15	Total/NA
1,1,1-Trichloroethane	0.080	J	0.40	0.052	ppb v/v	2		TO-15	Total/NA
Cyclohexane	3.3		0.40	0.090	ppb v/v	2		TO-15	Total/NA
Carbon tetrachloride	0.071	J	0.40	0.022	ppb v/v	2		TO-15	Total/NA
2,2,4-Trimethylpentane	0.25	J	0.40	0.086	ppb v/v	2		TO-15	Total/NA
Benzene	2.2		0.40	0.056	ppb v/v	2		TO-15	Total/NA
n-Heptane	7.1		0.40	0.14	ppb v/v	2		TO-15	Total/NA
Trichloroethene	0.60		0.40	0.018	ppb v/v	2		TO-15	Total/NA
methyl isobutyl ketone	1.8		1.0	0.13	ppb v/v	2		TO-15	Total/NA
Toluene	4.5		0.40	0.070	ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	11		0.40	0.020	ppb v/v	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.3		1.0	0.17	ppb v/v	2		TO-15	Total/NA
Ethylbenzene	0.48		0.40	0.068	ppb v/v	2		TO-15	Total/NA
m,p-Xylene	2.6		1.0	0.15	ppb v/v	2		TO-15	Total/NA
Xylene, o-	0.83		0.40	0.080	ppb v/v	2		TO-15	Total/NA
Xylene (total)	3.4		1.4	0.080	ppb v/v	2		TO-15	Total/NA
Styrene	0.17	J	0.40	0.070	ppb v/v	2		TO-15	Total/NA
Cumene	0.17	J	0.40	0.078	ppb v/v	2		TO-15	Total/NA
n-Propylbenzene	0.22	J	0.40	0.080	ppb v/v	2		TO-15	Total/NA
4-Ethyltoluene	0.30	J	0.40	0.080	ppb v/v	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.34	J	0.40	0.080	ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.78		0.40	0.11	ppb v/v	2		TO-15	Total/NA
Naphthalene	0.21	J	1.0	0.20	ppb v/v	2		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.8	J	4.9	0.46	ug/m3	2		TO-15	Total/NA
Freon 22	3.7		3.5	1.4	ug/m3	2		TO-15	Total/NA
Chloromethane	1.1	J	2.1	0.66	ug/m3	2		TO-15	Total/NA
n-Butane	110		2.4	0.22	ug/m3	2		TO-15	Total/NA
Trichlorofluoromethane	1.5	J	2.2	0.35	ug/m3	2		TO-15	Total/NA
Freon TF	0.65	J	3.1	0.41	ug/m3	2		TO-15	Total/NA
Acetone	100		24	6.2	ug/m3	2		TO-15	Total/NA
Isopropyl alcohol	7.8	J	25	0.64	ug/m3	2		TO-15	Total/NA
Carbon disulfide	3.0	J	3.1	0.17	ug/m3	2		TO-15	Total/NA
Methylene Chloride	0.55	J	3.5	0.47	ug/m3	2		TO-15	Total/NA
n-Hexane	37		1.4	0.32	ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	17		2.9	0.65	ug/m3	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS3 (Continued) — Lab Sample ID: 200-40374-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.2		1.6	0.23	ug/m3	2		TO-15	Total/NA
1,2-Dichloroethene, Total	4.4		3.2	0.23	ug/m3	2		TO-15	Total/NA
Chloroform	0.52	J	2.0	0.24	ug/m3	2		TO-15	Total/NA
1,1,1-Trichloroethane	0.43	J	2.2	0.28	ug/m3	2		TO-15	Total/NA
Cyclohexane	11		1.4	0.31	ug/m3	2		TO-15	Total/NA
Carbon tetrachloride	0.45	J	2.5	0.14	ug/m3	2		TO-15	Total/NA
2,2,4-Trimethylpentane	1.2	J	1.9	0.40	ug/m3	2		TO-15	Total/NA
Benzene	7.2		1.3	0.18	ug/m3	2		TO-15	Total/NA
n-Heptane	29		1.6	0.56	ug/m3	2		TO-15	Total/NA
Trichloroethene	3.2		2.1	0.098	ug/m3	2		TO-15	Total/NA
methyl isobutyl ketone	7.3		4.1	0.53	ug/m3	2		TO-15	Total/NA
Toluene	17		1.5	0.26	ug/m3	2		TO-15	Total/NA
Tetrachloroethene	72		2.7	0.13	ug/m3	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	5.3		4.1	0.70	ug/m3	2		TO-15	Total/NA
Ethylbenzene	2.1		1.7	0.30	ug/m3	2		TO-15	Total/NA
m,p-Xylene	11		4.3	0.67	ug/m3	2		TO-15	Total/NA
Xylene, o-	3.6		1.7	0.35	ug/m3	2		TO-15	Total/NA
Xylene (total)	15		6.1	0.35	ug/m3	2		TO-15	Total/NA
Styrene	0.72	J	1.7	0.30	ug/m3	2		TO-15	Total/NA
Cumene	0.83	J	2.0	0.38	ug/m3	2		TO-15	Total/NA
n-Propylbenzene	1.1	J	2.0	0.39	ug/m3	2		TO-15	Total/NA
4-Ethyltoluene	1.5	J	2.0	0.39	ug/m3	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.7	J	2.0	0.39	ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.8		2.0	0.56	ug/m3	2		TO-15	Total/NA
Naphthalene	1.1	J	5.2	1.0	ug/m3	2		TO-15	Total/NA

Client Sample ID: ID3 — Lab Sample ID: 200-40374-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.48	J	0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	0.83		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.44	J	0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	13		0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.24		0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.076	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	4.1	J	5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.49	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.13	J	0.50	0.028	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.11	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.50		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.48	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.4		0.20	0.029	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.4		0.40	0.029	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.050	J	0.20	0.045	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.066	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.050	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
Benzene	0.096	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.13	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.59		0.20	0.0091	ppb v/v	1		TO-15	Total/NA
Toluene	0.30		0.20	0.035	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ID3 (Continued)

Lab Sample ID: 200-40374-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.2		0.20	0.0098	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.044	J	0.20	0.034	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.15	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.070	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.22	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.071	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.095	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4	J	2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	2.9		1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	0.92	J	1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	32		1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.58	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	9.8	J	12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	1.2	J	12	0.32	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.41	J	1.6	0.087	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.37	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
n-Hexane	1.7		0.70	0.16	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.4	J	1.5	0.32	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.6		0.79	0.11	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	5.6		1.6	0.11	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.17	J	0.69	0.15	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.41	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.24	J	0.93	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.31	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
n-Heptane	0.53	J	0.82	0.28	ug/m3	1		TO-15	Total/NA
Trichloroethene	3.2		1.1	0.049	ug/m3	1		TO-15	Total/NA
Toluene	1.1		0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	22		1.4	0.066	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.19	J	0.87	0.15	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.67	J	2.2	0.33	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.30	J	0.87	0.17	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.96	J	3.0	0.17	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.35	J	0.98	0.28	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.57	J	1.2	0.38	ug/m3	1		TO-15	Total/NA

Client Sample ID: SS4

Lab Sample ID: 200-40374-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.51	J	1.0	0.094	ppb v/v	2		TO-15	Total/NA
Freon 22	1.1		1.0	0.40	ppb v/v	2		TO-15	Total/NA
Chloromethane	0.47	J	1.0	0.32	ppb v/v	2		TO-15	Total/NA
n-Butane	43		1.0	0.092	ppb v/v	2		TO-15	Total/NA
Trichlorofluoromethane	0.23	J	0.40	0.062	ppb v/v	2		TO-15	Total/NA
Freon TF	0.076	J	0.40	0.054	ppb v/v	2		TO-15	Total/NA
Acetone	37		10	2.6	ppb v/v	2		TO-15	Total/NA
Isopropyl alcohol	0.98	J	10	0.26	ppb v/v	2		TO-15	Total/NA
Carbon disulfide	1.1		1.0	0.056	ppb v/v	2		TO-15	Total/NA
Methylene Chloride	0.16	J	1.0	0.14	ppb v/v	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS4 (Continued)

Lab Sample ID: 200-40374-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Hexane	11		0.40	0.092	ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	6.3		1.0	0.22	ppb v/v	2		TO-15	Total/NA
cis-1,2-Dichloroethene	0.87		0.40	0.058	ppb v/v	2		TO-15	Total/NA
1,2-Dichloroethene, Total	0.87		0.80	0.058	ppb v/v	2		TO-15	Total/NA
Chloroform	0.16	J	0.40	0.050	ppb v/v	2		TO-15	Total/NA
1,1,1-Trichloroethane	0.089	J	0.40	0.052	ppb v/v	2		TO-15	Total/NA
Cyclohexane	4.7		0.40	0.090	ppb v/v	2		TO-15	Total/NA
Carbon tetrachloride	0.054	J	0.40	0.022	ppb v/v	2		TO-15	Total/NA
2,2,4-Trimethylpentane	0.31	J	0.40	0.086	ppb v/v	2		TO-15	Total/NA
Benzene	2.3		0.40	0.056	ppb v/v	2		TO-15	Total/NA
n-Heptane	6.7		0.40	0.14	ppb v/v	2		TO-15	Total/NA
Trichloroethene	0.61		0.40	0.018	ppb v/v	2		TO-15	Total/NA
methyl isobutyl ketone	1.9		1.0	0.13	ppb v/v	2		TO-15	Total/NA
Toluene	6.0		0.40	0.070	ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	4.5		0.40	0.020	ppb v/v	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.3		1.0	0.17	ppb v/v	2		TO-15	Total/NA
Ethylbenzene	0.59		0.40	0.068	ppb v/v	2		TO-15	Total/NA
m,p-Xylene	2.3		1.0	0.15	ppb v/v	2		TO-15	Total/NA
Xylene, o-	0.80		0.40	0.080	ppb v/v	2		TO-15	Total/NA
Xylene (total)	3.1		1.4	0.080	ppb v/v	2		TO-15	Total/NA
Styrene	0.16	J	0.40	0.070	ppb v/v	2		TO-15	Total/NA
Cumene	0.21	J	0.40	0.078	ppb v/v	2		TO-15	Total/NA
n-Propylbenzene	0.18	J	0.40	0.080	ppb v/v	2		TO-15	Total/NA
4-Ethyltoluene	0.26	J	0.40	0.080	ppb v/v	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.27	J	0.40	0.080	ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.75		0.40	0.11	ppb v/v	2		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.5	J	4.9	0.46	ug/m3	2		TO-15	Total/NA
Freon 22	3.7		3.5	1.4	ug/m3	2		TO-15	Total/NA
Chloromethane	0.97	J	2.1	0.66	ug/m3	2		TO-15	Total/NA
n-Butane	100		2.4	0.22	ug/m3	2		TO-15	Total/NA
Trichlorofluoromethane	1.3	J	2.2	0.35	ug/m3	2		TO-15	Total/NA
Freon TF	0.58	J	3.1	0.41	ug/m3	2		TO-15	Total/NA
Acetone	87		24	6.2	ug/m3	2		TO-15	Total/NA
Isopropyl alcohol	2.4	J	25	0.64	ug/m3	2		TO-15	Total/NA
Carbon disulfide	3.5		3.1	0.17	ug/m3	2		TO-15	Total/NA
Methylene Chloride	0.57	J	3.5	0.47	ug/m3	2		TO-15	Total/NA
n-Hexane	38		1.4	0.32	ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	18		2.9	0.65	ug/m3	2		TO-15	Total/NA
cis-1,2-Dichloroethene	3.5		1.6	0.23	ug/m3	2		TO-15	Total/NA
1,2-Dichloroethene, Total	3.4		3.2	0.23	ug/m3	2		TO-15	Total/NA
Chloroform	0.80	J	2.0	0.24	ug/m3	2		TO-15	Total/NA
1,1,1-Trichloroethane	0.48	J	2.2	0.28	ug/m3	2		TO-15	Total/NA
Cyclohexane	16		1.4	0.31	ug/m3	2		TO-15	Total/NA
Carbon tetrachloride	0.34	J	2.5	0.14	ug/m3	2		TO-15	Total/NA
2,2,4-Trimethylpentane	1.5	J	1.9	0.40	ug/m3	2		TO-15	Total/NA
Benzene	7.5		1.3	0.18	ug/m3	2		TO-15	Total/NA
n-Heptane	28		1.6	0.56	ug/m3	2		TO-15	Total/NA
Trichloroethene	3.3		2.1	0.098	ug/m3	2		TO-15	Total/NA
methyl isobutyl ketone	7.9		4.1	0.53	ug/m3	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS4 (Continued) — Lab Sample ID: 200-40374-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	23		1.5	0.26	ug/m3	2		TO-15	Total/NA
Tetrachloroethene	30		2.7	0.13	ug/m3	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	5.2		4.1	0.70	ug/m3	2		TO-15	Total/NA
Ethylbenzene	2.6		1.7	0.30	ug/m3	2		TO-15	Total/NA
m,p-Xylene	10		4.3	0.67	ug/m3	2		TO-15	Total/NA
Xylene, o-	3.5		1.7	0.35	ug/m3	2		TO-15	Total/NA
Xylene (total)	13		6.1	0.35	ug/m3	2		TO-15	Total/NA
Styrene	0.68	J	1.7	0.30	ug/m3	2		TO-15	Total/NA
Cumene	1.0	J	2.0	0.38	ug/m3	2		TO-15	Total/NA
n-Propylbenzene	0.89	J	2.0	0.39	ug/m3	2		TO-15	Total/NA
4-Ethyltoluene	1.3	J	2.0	0.39	ug/m3	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.3	J	2.0	0.39	ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.7		2.0	0.56	ug/m3	2		TO-15	Total/NA

Client Sample ID: ID4 — Lab Sample ID: 200-40374-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.50		0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	0.91		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.49	J	0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	15		0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.25		0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.078	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	7.6		5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.31	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.13	J	0.50	0.028	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.088	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.52		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.2		0.50	0.11	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	1.4		0.20	0.029	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	1.4		0.40	0.029	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.026	J	0.20	0.026	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.057	J	0.20	0.045	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.072	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.047	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
Benzene	0.11	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.14	J	0.20	0.068	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.65		0.20	0.0091	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.14	J	0.50	0.065	ppb v/v	1		TO-15	Total/NA
Toluene	0.36		0.20	0.035	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	3.6		0.20	0.0098	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.16	J	0.50	0.086	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.074	J	0.20	0.034	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.33	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.14	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.47	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.063	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.053	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
2-Chlorotoluene	0.075	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.24		0.20	0.057	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ID4 (Continued) — Lab Sample ID: 200-40374-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	0.070	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.087	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.5		2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	3.2		1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0	J	1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	35		1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.60	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	18		12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	0.76	J	12	0.32	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.40	J	1.6	0.087	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.31	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
n-Hexane	1.8		0.70	0.16	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	3.5		1.5	0.32	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	5.6		0.79	0.11	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	5.6		1.6	0.11	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.14	J	1.1	0.14	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.20	J	0.69	0.15	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.45	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.22	J	0.93	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.34	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
n-Heptane	0.58	J	0.82	0.28	ug/m3	1		TO-15	Total/NA
Trichloroethene	3.5		1.1	0.049	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.59	J	2.0	0.27	ug/m3	1		TO-15	Total/NA
Toluene	1.3		0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	25		1.4	0.066	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.64	J	2.0	0.35	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.32	J	0.87	0.15	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.4	J	2.2	0.33	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.59	J	0.87	0.17	ug/m3	1		TO-15	Total/NA
Xylene (total)	2.0	J	3.0	0.17	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.31	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.26	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
2-Chlorotoluene	0.39	J	1.0	0.18	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.2		0.98	0.28	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.39	J	1.1	0.29	ug/m3	1		TO-15	Total/NA
1,4-Dichlorobenzene	0.52	J	1.2	0.38	ug/m3	1		TO-15	Total/NA

Client Sample ID: SS5 — Lab Sample ID: 200-40374-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	1400		24	2.2	ppb v/v	47.85		TO-15	Total/NA
Acetone	71	J	240	62	ppb v/v	47.85		TO-15	Total/NA
Carbon disulfide	6.0	J	24	1.3	ppb v/v	47.85		TO-15	Total/NA
n-Hexane	530		9.6	2.2	ppb v/v	47.85		TO-15	Total/NA
Methyl Ethyl Ketone	7.8	J	24	5.3	ppb v/v	47.85		TO-15	Total/NA
Cyclohexane	650		9.6	2.2	ppb v/v	47.85		TO-15	Total/NA
2,2,4-Trimethylpentane	4.9	J	9.6	2.1	ppb v/v	47.85		TO-15	Total/NA
Benzene	22		9.6	1.3	ppb v/v	47.85		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS5 (Continued)

Lab Sample ID: 200-40374-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Heptane	360		9.6	3.3	ppb v/v	47.85		TO-15	Total/NA
Trichloroethene	0.84	J	9.6	0.44	ppb v/v	47.85		TO-15	Total/NA
Toluene	82		9.6	1.7	ppb v/v	47.85		TO-15	Total/NA
Tetrachloroethene	7.9	J	9.6	0.47	ppb v/v	47.85		TO-15	Total/NA
Ethylbenzene	16		9.6	1.6	ppb v/v	47.85		TO-15	Total/NA
m,p-Xylene	77		24	3.7	ppb v/v	47.85		TO-15	Total/NA
Xylene, o-	24		9.6	1.9	ppb v/v	47.85		TO-15	Total/NA
Xylene (total)	100		33	1.9	ppb v/v	47.85		TO-15	Total/NA
Cumene	4.0	J	9.6	1.9	ppb v/v	47.85		TO-15	Total/NA
n-Propylbenzene	3.2	J	9.6	1.9	ppb v/v	47.85		TO-15	Total/NA
4-Ethyltoluene	1.9	J	9.6	1.9	ppb v/v	47.85		TO-15	Total/NA
1,3,5-Trimethylbenzene	4.1	J	9.6	1.9	ppb v/v	47.85		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.7	J	9.6	2.7	ppb v/v	47.85		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	3400		57	5.2	ug/m3	47.85		TO-15	Total/NA
Acetone	170	J	570	150	ug/m3	47.85		TO-15	Total/NA
Carbon disulfide	19	J	75	4.2	ug/m3	47.85		TO-15	Total/NA
n-Hexane	1900		34	7.8	ug/m3	47.85		TO-15	Total/NA
Methyl Ethyl Ketone	23	J	71	16	ug/m3	47.85		TO-15	Total/NA
Cyclohexane	2200		33	7.4	ug/m3	47.85		TO-15	Total/NA
2,2,4-Trimethylpentane	23	J	45	9.6	ug/m3	47.85		TO-15	Total/NA
Benzene	71		31	4.3	ug/m3	47.85		TO-15	Total/NA
n-Heptane	1500		39	13	ug/m3	47.85		TO-15	Total/NA
Trichloroethene	4.5	J	51	2.3	ug/m3	47.85		TO-15	Total/NA
Toluene	310		36	6.3	ug/m3	47.85		TO-15	Total/NA
Tetrachloroethene	54	J	65	3.2	ug/m3	47.85		TO-15	Total/NA
Ethylbenzene	71		42	7.1	ug/m3	47.85		TO-15	Total/NA
m,p-Xylene	340		100	16	ug/m3	47.85		TO-15	Total/NA
Xylene, o-	100		42	8.3	ug/m3	47.85		TO-15	Total/NA
Xylene (total)	440		150	8.3	ug/m3	47.85		TO-15	Total/NA
Cumene	20	J	47	9.2	ug/m3	47.85		TO-15	Total/NA
n-Propylbenzene	16	J	47	9.4	ug/m3	47.85		TO-15	Total/NA
4-Ethyltoluene	9.1	J	47	9.4	ug/m3	47.85		TO-15	Total/NA
1,3,5-Trimethylbenzene	20	J	47	9.4	ug/m3	47.85		TO-15	Total/NA
1,2,4-Trimethylbenzene	18	J	47	13	ug/m3	47.85		TO-15	Total/NA

Client Sample ID: ID5

Lab Sample ID: 200-40374-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.48	J	0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	2.2		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.48	J	0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	26		0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.076	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	4.3	J	5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.35	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.029	J	0.50	0.028	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.18	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.95		0.20	0.046	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ID5 (Continued) — Lab Sample ID: 200-40374-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Ethyl Ketone	0.51		0.50	0.11	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.90		0.20	0.029	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethene, Total	0.90		0.40	0.029	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.13	J	0.20	0.045	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.064	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.070	J	0.20	0.043	ppb v/v	1		TO-15	Total/NA
Benzene	0.11	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.25		0.20	0.068	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.45		0.20	0.0091	ppb v/v	1		TO-15	Total/NA
Toluene	0.25		0.20	0.035	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	2.1		0.20	0.0098	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.043	J	0.20	0.034	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.15	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.066	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.22	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.040	J	0.20	0.040	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.12	J	0.20	0.057	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.4	J	2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	7.9		1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	0.99	J	1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	63		1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.58	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	10	J	12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	0.85	J	12	0.32	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.089	J	1.6	0.087	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.61	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
n-Hexane	3.4		0.70	0.16	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.5		1.5	0.32	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	3.6		0.79	0.11	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethene, Total	3.6		1.6	0.11	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.44	J	0.69	0.15	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.40	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.33	J	0.93	0.20	ug/m3	1		TO-15	Total/NA
Benzene	0.35	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
n-Heptane	1.0		0.82	0.28	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.4		1.1	0.049	ug/m3	1		TO-15	Total/NA
Toluene	0.95		0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	15		1.4	0.066	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.19	J	0.87	0.15	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.66	J	2.2	0.33	ug/m3	1		TO-15	Total/NA
Xylene, o-	0.29	J	0.87	0.17	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.94	J	3.0	0.17	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.20	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.60	J	0.98	0.28	ug/m3	1		TO-15	Total/NA

Client Sample ID: OD2 — Lab Sample ID: 200-40374-7

This Detection Summary does not include radiochemical test results.

Client Sample ID: OD2 (Continued)

Lab Sample ID: 200-40374-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.47	J	0.50	0.047	ppb v/v	1		TO-15	Total/NA
Freon 22	0.27	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.52		0.50	0.16	ppb v/v	1		TO-15	Total/NA
n-Butane	0.59		0.50	0.046	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.22		0.20	0.031	ppb v/v	1		TO-15	Total/NA
Freon TF	0.073	J	0.20	0.027	ppb v/v	1		TO-15	Total/NA
Acetone	11		5.0	1.3	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.38	J	5.0	0.13	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.037	J	0.50	0.028	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.097	J	0.50	0.068	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	1.9		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.064	J	0.20	0.011	ppb v/v	1		TO-15	Total/NA
Benzene	0.087	J	0.20	0.028	ppb v/v	1		TO-15	Total/NA
methyl isobutyl ketone	0.077	J	0.50	0.065	ppb v/v	1		TO-15	Total/NA
Toluene	0.14	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.017	J	0.20	0.0098	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.31	J	0.50	0.086	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.093	J	0.50	0.077	ppb v/v	1		TO-15	Total/NA
Xylene (total)	0.093	J	0.70	0.040	ppb v/v	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.3	J	2.5	0.23	ug/m3	1		TO-15	Total/NA
Freon 22	0.97	J	1.8	0.71	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1		1.0	0.33	ug/m3	1		TO-15	Total/NA
n-Butane	1.4		1.2	0.11	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.17	ug/m3	1		TO-15	Total/NA
Freon TF	0.56	J	1.5	0.21	ug/m3	1		TO-15	Total/NA
Acetone	26		12	3.1	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	0.94	J	12	0.32	ug/m3	1		TO-15	Total/NA
Carbon disulfide	0.11	J	1.6	0.087	ug/m3	1		TO-15	Total/NA
Methylene Chloride	0.34	J	1.7	0.24	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	5.7		1.5	0.32	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.40	J	1.3	0.069	ug/m3	1		TO-15	Total/NA
Benzene	0.28	J	0.64	0.089	ug/m3	1		TO-15	Total/NA
methyl isobutyl ketone	0.32	J	2.0	0.27	ug/m3	1		TO-15	Total/NA
Toluene	0.54	J	0.75	0.13	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.11	J	1.4	0.066	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	1.3	J	2.0	0.35	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.41	J	2.2	0.33	ug/m3	1		TO-15	Total/NA
Xylene (total)	0.40	J	3.0	0.17	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SS3

Date Collected: 10/04/17 18:00
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.56**	**J**	1.0	0.094	ppb v/v			10/10/17 15:03	2
Freon 22	**1.0**		1.0	0.40	ppb v/v			10/10/17 15:03	2
1,2-Dichlorotetrafluoroethane	ND		0.40	0.082	ppb v/v			10/10/17 15:03	2
Chloromethane	**0.54**	**J**	1.0	0.32	ppb v/v			10/10/17 15:03	2
n-Butane	**45**		1.0	0.092	ppb v/v			10/10/17 15:03	2
Vinyl chloride	ND		0.40	0.036	ppb v/v			10/10/17 15:03	2
1,3-Butadiene	ND		0.40	0.074	ppb v/v			10/10/17 15:03	2
Bromomethane	ND		0.40	0.072	ppb v/v			10/10/17 15:03	2
Chloroethane	ND		1.0	0.26	ppb v/v			10/10/17 15:03	2
Bromoethene(Vinyl Bromide)	ND		0.40	0.044	ppb v/v			10/10/17 15:03	2
Trichlorofluoromethane	**0.26**	**J**	0.40	0.062	ppb v/v			10/10/17 15:03	2
Freon TF	**0.085**	**J**	0.40	0.054	ppb v/v			10/10/17 15:03	2
1,1-Dichloroethene	ND		0.40	0.070	ppb v/v			10/10/17 15:03	2
Acetone	**43**		10	2.6	ppb v/v			10/10/17 15:03	2
Isopropyl alcohol	**3.2**	**J**	10	0.26	ppb v/v			10/10/17 15:03	2
Carbon disulfide	**0.96**	**J**	1.0	0.056	ppb v/v			10/10/17 15:03	2
3-Chloropropene	ND		1.0	0.13	ppb v/v			10/10/17 15:03	2
Methylene Chloride	**0.16**	**J**	1.0	0.14	ppb v/v			10/10/17 15:03	2
tert-Butyl alcohol	ND		10	3.4	ppb v/v			10/10/17 15:03	2
Methyl tert-butyl ether	ND		0.40	0.082	ppb v/v			10/10/17 15:03	2
trans-1,2-Dichloroethene	ND		0.40	0.10	ppb v/v			10/10/17 15:03	2
n-Hexane	**11**		0.40	0.092	ppb v/v			10/10/17 15:03	2
1,1-Dichloroethane	ND		0.40	0.034	ppb v/v			10/10/17 15:03	2
Methyl Ethyl Ketone	**5.9**		1.0	0.22	ppb v/v			10/10/17 15:03	2
cis-1,2-Dichloroethene	**1.1**		0.40	0.058	ppb v/v			10/10/17 15:03	2
1,2-Dichloroethene, Total	**1.1**		0.80	0.058	ppb v/v			10/10/17 15:03	2
Chloroform	**0.11**	**J**	0.40	0.050	ppb v/v			10/10/17 15:03	2
Tetrahydrofuran	ND		10	2.4	ppb v/v			10/10/17 15:03	2
1,1,1-Trichloroethane	**0.080**	**J**	0.40	0.052	ppb v/v			10/10/17 15:03	2
Cyclohexane	**3.3**		0.40	0.090	ppb v/v			10/10/17 15:03	2
Carbon tetrachloride	**0.071**	**J**	0.40	0.022	ppb v/v			10/10/17 15:03	2
2,2,4-Trimethylpentane	**0.25**	**J**	0.40	0.086	ppb v/v			10/10/17 15:03	2
Benzene	**2.2**		0.40	0.056	ppb v/v			10/10/17 15:03	2
1,2-Dichloroethane	ND		0.40	0.068	ppb v/v			10/10/17 15:03	2
n-Heptane	**7.1**		0.40	0.14	ppb v/v			10/10/17 15:03	2
Trichloroethene	**0.60**		0.40	0.018	ppb v/v			10/10/17 15:03	2
Methyl methacrylate	ND		1.0	0.22	ppb v/v			10/10/17 15:03	2
1,2-Dichloropropane	ND		0.40	0.070	ppb v/v			10/10/17 15:03	2
1,4-Dioxane	ND		10	1.5	ppb v/v			10/10/17 15:03	2
Bromodichloromethane	ND		0.40	0.12	ppb v/v			10/10/17 15:03	2
cis-1,3-Dichloropropene	ND		0.40	0.072	ppb v/v			10/10/17 15:03	2
methyl isobutyl ketone	**1.8**		1.0	0.13	ppb v/v			10/10/17 15:03	2
Toluene	**4.5**		0.40	0.070	ppb v/v			10/10/17 15:03	2
trans-1,3-Dichloropropene	ND		0.40	0.076	ppb v/v			10/10/17 15:03	2
1,1,2-Trichloroethane	ND		0.40	0.034	ppb v/v			10/10/17 15:03	2
Tetrachloroethene	**11**		0.40	0.020	ppb v/v			10/10/17 15:03	2
Methyl Butyl Ketone (2-Hexanone)	**1.3**		1.0	0.17	ppb v/v			10/10/17 15:03	2
Dibromochloromethane	ND		0.40	0.034	ppb v/v			10/10/17 15:03	2

Client Sample ID: SS3
Date Collected: 10/04/17 18:00
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.40	0.046	ppb v/v			10/10/17 15:03	2
Chlorobenzene	ND		0.40	0.050	ppb v/v			10/10/17 15:03	2
Ethylbenzene	**0.48**		0.40	0.068	ppb v/v			10/10/17 15:03	2
m,p-Xylene	**2.6**		1.0	0.15	ppb v/v			10/10/17 15:03	2
Xylene, o-	**0.83**		0.40	0.080	ppb v/v			10/10/17 15:03	2
Xylene (total)	**3.4**		1.4	0.080	ppb v/v			10/10/17 15:03	2
Styrene	**0.17**	**J**	0.40	0.070	ppb v/v			10/10/17 15:03	2
Bromoform	ND		0.40	0.070	ppb v/v			10/10/17 15:03	2
Cumene	**0.17**	**J**	0.40	0.078	ppb v/v			10/10/17 15:03	2
1,1,2,2-Tetrachloroethane	ND		0.40	0.052	ppb v/v			10/10/17 15:03	2
n-Propylbenzene	**0.22**	**J**	0.40	0.080	ppb v/v			10/10/17 15:03	2
4-Ethyltoluene	**0.30**	**J**	0.40	0.080	ppb v/v			10/10/17 15:03	2
1,3,5-Trimethylbenzene	**0.34**	**J**	0.40	0.080	ppb v/v			10/10/17 15:03	2
2-Chlorotoluene	ND		0.40	0.070	ppb v/v			10/10/17 15:03	2
tert-Butylbenzene	ND		0.40	0.074	ppb v/v			10/10/17 15:03	2
1,2,4-Trimethylbenzene	**0.78**		0.40	0.11	ppb v/v			10/10/17 15:03	2
sec-Butylbenzene	ND		0.40	0.074	ppb v/v			10/10/17 15:03	2
4-Isopropyltoluene	ND		0.40	0.10	ppb v/v			10/10/17 15:03	2
1,3-Dichlorobenzene	ND		0.40	0.10	ppb v/v			10/10/17 15:03	2
1,4-Dichlorobenzene	ND		0.40	0.13	ppb v/v			10/10/17 15:03	2
Benzyl chloride	ND		0.40	0.13	ppb v/v			10/10/17 15:03	2
n-Butylbenzene	ND		0.40	0.14	ppb v/v			10/10/17 15:03	2
1,2-Dichlorobenzene	ND		0.40	0.090	ppb v/v			10/10/17 15:03	2
1,2,4-Trichlorobenzene	ND		1.0	0.38	ppb v/v			10/10/17 15:03	2
Hexachlorobutadiene	ND		0.40	0.13	ppb v/v			10/10/17 15:03	2
Naphthalene	**0.21**	**J**	1.0	0.20	ppb v/v			10/10/17 15:03	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.8**	**J**	4.9	0.46	ug/m3			10/10/17 15:03	2
Freon 22	**3.7**		3.5	1.4	ug/m3			10/10/17 15:03	2
1,2-Dichlorotetrafluoroethane	ND		2.8	0.57	ug/m3			10/10/17 15:03	2
Chloromethane	**1.1**	**J**	2.1	0.66	ug/m3			10/10/17 15:03	2
n-Butane	**110**		2.4	0.22	ug/m3			10/10/17 15:03	2
Vinyl chloride	ND		1.0	0.092	ug/m3			10/10/17 15:03	2
1,3-Butadiene	ND		0.88	0.16	ug/m3			10/10/17 15:03	2
Bromomethane	ND		1.6	0.28	ug/m3			10/10/17 15:03	2
Chloroethane	ND		2.6	0.69	ug/m3			10/10/17 15:03	2
Bromoethene(Vinyl Bromide)	ND		1.7	0.19	ug/m3			10/10/17 15:03	2
Trichlorofluoromethane	**1.5**	**J**	2.2	0.35	ug/m3			10/10/17 15:03	2
Freon TF	**0.65**	**J**	3.1	0.41	ug/m3			10/10/17 15:03	2
1,1-Dichloroethene	ND		1.6	0.28	ug/m3			10/10/17 15:03	2
Acetone	**100**		24	6.2	ug/m3			10/10/17 15:03	2
Isopropyl alcohol	**7.8**	**J**	25	0.64	ug/m3			10/10/17 15:03	2
Carbon disulfide	**3.0**	**J**	3.1	0.17	ug/m3			10/10/17 15:03	2
3-Chloropropene	ND		3.1	0.39	ug/m3			10/10/17 15:03	2
Methylene Chloride	**0.55**	**J**	3.5	0.47	ug/m3			10/10/17 15:03	2
tert-Butyl alcohol	ND		30	10	ug/m3			10/10/17 15:03	2
Methyl tert-butyl ether	ND		1.4	0.30	ug/m3			10/10/17 15:03	2
trans-1,2-Dichloroethene	ND		1.6	0.40	ug/m3			10/10/17 15:03	2

Client Sample ID: SS3
Date Collected: 10/04/17 18:00
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	37		1.4	0.32	ug/m3			10/10/17 15:03	2
1,1-Dichloroethane	ND		1.6	0.14	ug/m3			10/10/17 15:03	2
Methyl Ethyl Ketone	17		2.9	0.65	ug/m3			10/10/17 15:03	2
cis-1,2-Dichloroethene	4.2		1.6	0.23	ug/m3			10/10/17 15:03	2
1,2-Dichloroethene, Total	4.4		3.2	0.23	ug/m3			10/10/17 15:03	2
Chloroform	0.52	J	2.0	0.24	ug/m3			10/10/17 15:03	2
Tetrahydrofuran	ND		29	7.1	ug/m3			10/10/17 15:03	2
1,1,1-Trichloroethane	0.43	J	2.2	0.28	ug/m3			10/10/17 15:03	2
Cyclohexane	11		1.4	0.31	ug/m3			10/10/17 15:03	2
Carbon tetrachloride	0.45	J	2.5	0.14	ug/m3			10/10/17 15:03	2
2,2,4-Trimethylpentane	1.2	J	1.9	0.40	ug/m3			10/10/17 15:03	2
Benzene	7.2		1.3	0.18	ug/m3			10/10/17 15:03	2
1,2-Dichloroethane	ND		1.6	0.28	ug/m3			10/10/17 15:03	2
n-Heptane	29		1.6	0.56	ug/m3			10/10/17 15:03	2
Trichloroethene	3.2		2.1	0.098	ug/m3			10/10/17 15:03	2
Methyl methacrylate	ND		4.1	0.90	ug/m3			10/10/17 15:03	2
1,2-Dichloropropane	ND		1.8	0.32	ug/m3			10/10/17 15:03	2
1,4-Dioxane	ND		36	5.5	ug/m3			10/10/17 15:03	2
Bromodichloromethane	ND		2.7	0.79	ug/m3			10/10/17 15:03	2
cis-1,3-Dichloropropene	ND		1.8	0.33	ug/m3			10/10/17 15:03	2
methyl isobutyl ketone	7.3		4.1	0.53	ug/m3			10/10/17 15:03	2
Toluene	17		1.5	0.26	ug/m3			10/10/17 15:03	2
trans-1,3-Dichloropropene	ND		1.8	0.34	ug/m3			10/10/17 15:03	2
1,1,2-Trichloroethane	ND		2.2	0.19	ug/m3			10/10/17 15:03	2
Tetrachloroethene	72		2.7	0.13	ug/m3			10/10/17 15:03	2
Methyl Butyl Ketone (2-Hexanone)	5.3		4.1	0.70	ug/m3			10/10/17 15:03	2
Dibromochloromethane	ND		3.4	0.29	ug/m3			10/10/17 15:03	2
1,2-Dibromoethane	ND		3.1	0.35	ug/m3			10/10/17 15:03	2
Chlorobenzene	ND		1.8	0.23	ug/m3			10/10/17 15:03	2
Ethylbenzene	2.1		1.7	0.30	ug/m3			10/10/17 15:03	2
m,p-Xylene	11		4.3	0.67	ug/m3			10/10/17 15:03	2
Xylene, o-	3.6		1.7	0.35	ug/m3			10/10/17 15:03	2
Xylene (total)	15		6.1	0.35	ug/m3			10/10/17 15:03	2
Styrene	0.72	J	1.7	0.30	ug/m3			10/10/17 15:03	2
Bromoform	ND		4.1	0.72	ug/m3			10/10/17 15:03	2
Cumene	0.83	J	2.0	0.38	ug/m3			10/10/17 15:03	2
1,1,2,2-Tetrachloroethane	ND		2.7	0.36	ug/m3			10/10/17 15:03	2
n-Propylbenzene	1.1	J	2.0	0.39	ug/m3			10/10/17 15:03	2
4-Ethyltoluene	1.5	J	2.0	0.39	ug/m3			10/10/17 15:03	2
1,3,5-Trimethylbenzene	1.7	J	2.0	0.39	ug/m3			10/10/17 15:03	2
2-Chlorotoluene	ND		2.1	0.36	ug/m3			10/10/17 15:03	2
tert-Butylbenzene	ND		2.2	0.41	ug/m3			10/10/17 15:03	2
1,2,4-Trimethylbenzene	3.8		2.0	0.56	ug/m3			10/10/17 15:03	2
sec-Butylbenzene	ND		2.2	0.41	ug/m3			10/10/17 15:03	2
4-Isopropyltoluene	ND		2.2	0.57	ug/m3			10/10/17 15:03	2
1,3-Dichlorobenzene	ND		2.4	0.60	ug/m3			10/10/17 15:03	2
1,4-Dichlorobenzene	ND		2.4	0.76	ug/m3			10/10/17 15:03	2
Benzyl chloride	ND		2.1	0.69	ug/m3			10/10/17 15:03	2

Client Sample ID: SS3
Lab Sample ID: 200-40374-1
Date Collected: 10/04/17 18:00
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		2.2	0.75	ug/m3			10/10/17 15:03	2
1,2-Dichlorobenzene	ND		2.4	0.54	ug/m3			10/10/17 15:03	2
1,2,4-Trichlorobenzene	ND		7.4	2.8	ug/m3			10/10/17 15:03	2
Hexachlorobutadiene	ND		4.3	1.4	ug/m3			10/10/17 15:03	2
Naphthalene	**1.1**	**J**	5.2	1.0	ug/m3			10/10/17 15:03	2

Client Sample ID: ID3
Lab Sample ID: 200-40374-2
Date Collected: 10/04/17 18:00
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.48**	**J**	0.50	0.047	ppb v/v			10/09/17 18:33	1
Freon 22	**0.83**		0.50	0.20	ppb v/v			10/09/17 18:33	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			10/09/17 18:33	1
Chloromethane	**0.44**	**J**	0.50	0.16	ppb v/v			10/09/17 18:33	1
n-Butane	**13**		0.50	0.046	ppb v/v			10/09/17 18:33	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			10/09/17 18:33	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			10/09/17 18:33	1
Bromomethane	ND		0.20	0.036	ppb v/v			10/09/17 18:33	1
Chloroethane	ND		0.50	0.13	ppb v/v			10/09/17 18:33	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			10/09/17 18:33	1
Trichlorofluoromethane	**0.24**		0.20	0.031	ppb v/v			10/09/17 18:33	1
Freon TF	**0.076**	**J**	0.20	0.027	ppb v/v			10/09/17 18:33	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			10/09/17 18:33	1
Acetone	**4.1**	**J**	5.0	1.3	ppb v/v			10/09/17 18:33	1
Isopropyl alcohol	**0.49**	**J**	5.0	0.13	ppb v/v			10/09/17 18:33	1
Carbon disulfide	**0.13**	**J**	0.50	0.028	ppb v/v			10/09/17 18:33	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			10/09/17 18:33	1
Methylene Chloride	**0.11**	**J**	0.50	0.068	ppb v/v			10/09/17 18:33	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			10/09/17 18:33	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			10/09/17 18:33	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			10/09/17 18:33	1
n-Hexane	**0.50**		0.20	0.046	ppb v/v			10/09/17 18:33	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 18:33	1
Methyl Ethyl Ketone	**0.48**	**J**	0.50	0.11	ppb v/v			10/09/17 18:33	1
cis-1,2-Dichloroethene	**1.4**		0.20	0.029	ppb v/v			10/09/17 18:33	1
1,2-Dichloroethene, Total	**1.4**		0.40	0.029	ppb v/v			10/09/17 18:33	1
Chloroform	ND		0.20	0.025	ppb v/v			10/09/17 18:33	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			10/09/17 18:33	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			10/09/17 18:33	1
Cyclohexane	**0.050**	**J**	0.20	0.045	ppb v/v			10/09/17 18:33	1
Carbon tetrachloride	**0.066**	**J**	0.20	0.011	ppb v/v			10/09/17 18:33	1
2,2,4-Trimethylpentane	**0.050**	**J**	0.20	0.043	ppb v/v			10/09/17 18:33	1
Benzene	**0.096**	**J**	0.20	0.028	ppb v/v			10/09/17 18:33	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			10/09/17 18:33	1
n-Heptane	**0.13**	**J**	0.20	0.068	ppb v/v			10/09/17 18:33	1
Trichloroethene	**0.59**		0.20	0.0091	ppb v/v			10/09/17 18:33	1

Client Sample ID: ID3
Date Collected: 10/04/17 18:00
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	ND		0.50	0.11	ppb v/v			10/09/17 18:33	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			10/09/17 18:33	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			10/09/17 18:33	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			10/09/17 18:33	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			10/09/17 18:33	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			10/09/17 18:33	1
Toluene	**0.30**		0.20	0.035	ppb v/v			10/09/17 18:33	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			10/09/17 18:33	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 18:33	1
Tetrachloroethene	**3.2**		0.20	0.0098	ppb v/v			10/09/17 18:33	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			10/09/17 18:33	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			10/09/17 18:33	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			10/09/17 18:33	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			10/09/17 18:33	1
Ethylbenzene	**0.044**	**J**	0.20	0.034	ppb v/v			10/09/17 18:33	1
m,p-Xylene	**0.15**	**J**	0.50	0.077	ppb v/v			10/09/17 18:33	1
Xylene, o-	**0.070**	**J**	0.20	0.040	ppb v/v			10/09/17 18:33	1
Xylene (total)	**0.22**	**J**	0.70	0.040	ppb v/v			10/09/17 18:33	1
Styrene	ND		0.20	0.035	ppb v/v			10/09/17 18:33	1
Bromoform	ND		0.20	0.035	ppb v/v			10/09/17 18:33	1
Cumene	ND		0.20	0.039	ppb v/v			10/09/17 18:33	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			10/09/17 18:33	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 18:33	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			10/09/17 18:33	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 18:33	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			10/09/17 18:33	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 18:33	1
1,2,4-Trimethylbenzene	**0.071**	**J**	0.20	0.057	ppb v/v			10/09/17 18:33	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 18:33	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			10/09/17 18:33	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			10/09/17 18:33	1
1,4-Dichlorobenzene	**0.095**	**J**	0.20	0.063	ppb v/v			10/09/17 18:33	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			10/09/17 18:33	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			10/09/17 18:33	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			10/09/17 18:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			10/09/17 18:33	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			10/09/17 18:33	1
Naphthalene	ND		0.50	0.10	ppb v/v			10/09/17 18:33	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.23	ug/m3			10/09/17 18:33	1
Freon 22	**2.9**		1.8	0.71	ug/m3			10/09/17 18:33	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			10/09/17 18:33	1
Chloromethane	**0.92**	**J**	1.0	0.33	ug/m3			10/09/17 18:33	1
n-Butane	**32**		1.2	0.11	ug/m3			10/09/17 18:33	1
Vinyl chloride	ND		0.51	0.046	ug/m3			10/09/17 18:33	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			10/09/17 18:33	1
Bromomethane	ND		0.78	0.14	ug/m3			10/09/17 18:33	1
Chloroethane	ND		1.3	0.34	ug/m3			10/09/17 18:33	1

Client Sample ID: ID3
Date Collected: 10/04/17 18:00
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			10/09/17 18:33	1
Trichlorofluoromethane	**1.4**		1.1	0.17	ug/m3			10/09/17 18:33	1
Freon TF	**0.58**	**J**	1.5	0.21	ug/m3			10/09/17 18:33	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			10/09/17 18:33	1
Acetone	**9.8**	**J**	12	3.1	ug/m3			10/09/17 18:33	1
Isopropyl alcohol	**1.2**	**J**	12	0.32	ug/m3			10/09/17 18:33	1
Carbon disulfide	**0.41**	**J**	1.6	0.087	ug/m3			10/09/17 18:33	1
3-Chloropropene	ND		1.6	0.20	ug/m3			10/09/17 18:33	1
Methylene Chloride	**0.37**	**J**	1.7	0.24	ug/m3			10/09/17 18:33	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			10/09/17 18:33	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			10/09/17 18:33	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			10/09/17 18:33	1
n-Hexane	**1.7**		0.70	0.16	ug/m3			10/09/17 18:33	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			10/09/17 18:33	1
Methyl Ethyl Ketone	**1.4**	**J**	1.5	0.32	ug/m3			10/09/17 18:33	1
cis-1,2-Dichloroethene	**5.6**		0.79	0.11	ug/m3			10/09/17 18:33	1
1,2-Dichloroethene, Total	**5.6**		1.6	0.11	ug/m3			10/09/17 18:33	1
Chloroform	ND		0.98	0.12	ug/m3			10/09/17 18:33	1
Tetrahydrofuran	ND		15	3.5	ug/m3			10/09/17 18:33	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			10/09/17 18:33	1
Cyclohexane	**0.17**	**J**	0.69	0.15	ug/m3			10/09/17 18:33	1
Carbon tetrachloride	**0.41**	**J**	1.3	0.069	ug/m3			10/09/17 18:33	1
2,2,4-Trimethylpentane	**0.24**	**J**	0.93	0.20	ug/m3			10/09/17 18:33	1
Benzene	**0.31**	**J**	0.64	0.089	ug/m3			10/09/17 18:33	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			10/09/17 18:33	1
n-Heptane	**0.53**	**J**	0.82	0.28	ug/m3			10/09/17 18:33	1
Trichloroethene	**3.2**		1.1	0.049	ug/m3			10/09/17 18:33	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			10/09/17 18:33	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			10/09/17 18:33	1
1,4-Dioxane	ND		18	2.7	ug/m3			10/09/17 18:33	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			10/09/17 18:33	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			10/09/17 18:33	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			10/09/17 18:33	1
Toluene	**1.1**		0.75	0.13	ug/m3			10/09/17 18:33	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			10/09/17 18:33	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			10/09/17 18:33	1
Tetrachloroethene	**22**		1.4	0.066	ug/m3			10/09/17 18:33	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			10/09/17 18:33	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			10/09/17 18:33	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			10/09/17 18:33	1
Chlorobenzene	ND		0.92	0.12	ug/m3			10/09/17 18:33	1
Ethylbenzene	**0.19**	**J**	0.87	0.15	ug/m3			10/09/17 18:33	1
m,p-Xylene	**0.67**	**J**	2.2	0.33	ug/m3			10/09/17 18:33	1
Xylene, o-	**0.30**	**J**	0.87	0.17	ug/m3			10/09/17 18:33	1
Xylene (total)	**0.96**	**J**	3.0	0.17	ug/m3			10/09/17 18:33	1
Styrene	ND		0.85	0.15	ug/m3			10/09/17 18:33	1
Bromoform	ND		2.1	0.36	ug/m3			10/09/17 18:33	1
Cumene	ND		0.98	0.19	ug/m3			10/09/17 18:33	1

Client Sample ID: ID3

Lab Sample ID: 200-40374-2

Date Collected: 10/04/17 18:00
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			10/09/17 18:33	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			10/09/17 18:33	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			10/09/17 18:33	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			10/09/17 18:33	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			10/09/17 18:33	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 18:33	1
1,2,4-Trimethylbenzene	**0.35**	**J**	0.98	0.28	ug/m3			10/09/17 18:33	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 18:33	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			10/09/17 18:33	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			10/09/17 18:33	1
1,4-Dichlorobenzene	**0.57**	**J**	1.2	0.38	ug/m3			10/09/17 18:33	1
Benzyl chloride	ND		1.0	0.35	ug/m3			10/09/17 18:33	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			10/09/17 18:33	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			10/09/17 18:33	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			10/09/17 18:33	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			10/09/17 18:33	1
Naphthalene	ND		2.6	0.52	ug/m3			10/09/17 18:33	1

Client Sample ID: SS4

Lab Sample ID: 200-40374-3

Date Collected: 10/04/17 18:05
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.51**	**J**	1.0	0.094	ppb v/v			10/10/17 16:45	2
Freon 22	**1.1**		1.0	0.40	ppb v/v			10/10/17 16:45	2
1,2-Dichlorotetrafluoroethane	ND		0.40	0.082	ppb v/v			10/10/17 16:45	2
Chloromethane	**0.47**	**J**	1.0	0.32	ppb v/v			10/10/17 16:45	2
n-Butane	**43**		1.0	0.092	ppb v/v			10/10/17 16:45	2
Vinyl chloride	ND		0.40	0.036	ppb v/v			10/10/17 16:45	2
1,3-Butadiene	ND		0.40	0.074	ppb v/v			10/10/17 16:45	2
Bromomethane	ND		0.40	0.072	ppb v/v			10/10/17 16:45	2
Chloroethane	ND		1.0	0.26	ppb v/v			10/10/17 16:45	2
Bromoethene(Vinyl Bromide)	ND		0.40	0.044	ppb v/v			10/10/17 16:45	2
Trichlorofluoromethane	**0.23**	**J**	0.40	0.062	ppb v/v			10/10/17 16:45	2
Freon TF	**0.076**	**J**	0.40	0.054	ppb v/v			10/10/17 16:45	2
1,1-Dichloroethene	ND		0.40	0.070	ppb v/v			10/10/17 16:45	2
Acetone	**37**		10	2.6	ppb v/v			10/10/17 16:45	2
Isopropyl alcohol	**0.98**	**J**	10	0.26	ppb v/v			10/10/17 16:45	2
Carbon disulfide	**1.1**		1.0	0.056	ppb v/v			10/10/17 16:45	2
3-Chloropropene	ND		1.0	0.13	ppb v/v			10/10/17 16:45	2
Methylene Chloride	**0.16**	**J**	1.0	0.14	ppb v/v			10/10/17 16:45	2
tert-Butyl alcohol	ND		10	3.4	ppb v/v			10/10/17 16:45	2
Methyl tert-butyl ether	ND		0.40	0.082	ppb v/v			10/10/17 16:45	2
trans-1,2-Dichloroethene	ND		0.40	0.10	ppb v/v			10/10/17 16:45	2
n-Hexane	**11**		0.40	0.092	ppb v/v			10/10/17 16:45	2
1,1-Dichloroethane	ND		0.40	0.034	ppb v/v			10/10/17 16:45	2
Methyl Ethyl Ketone	**6.3**		1.0	0.22	ppb v/v			10/10/17 16:45	2

Client Sample ID: SS4
Date Collected: 10/04/17 18:05
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.87		0.40	0.058	ppb v/v			10/10/17 16:45	2
1,2-Dichloroethene, Total	0.87		0.80	0.058	ppb v/v			10/10/17 16:45	2
Chloroform	0.16	J	0.40	0.050	ppb v/v			10/10/17 16:45	2
Tetrahydrofuran	ND		10	2.4	ppb v/v			10/10/17 16:45	2
1,1,1-Trichloroethane	0.089	J	0.40	0.052	ppb v/v			10/10/17 16:45	2
Cyclohexane	4.7		0.40	0.090	ppb v/v			10/10/17 16:45	2
Carbon tetrachloride	0.054	J	0.40	0.022	ppb v/v			10/10/17 16:45	2
2,2,4-Trimethylpentane	0.31	J	0.40	0.086	ppb v/v			10/10/17 16:45	2
Benzene	2.3		0.40	0.056	ppb v/v			10/10/17 16:45	2
1,2-Dichloroethane	ND		0.40	0.068	ppb v/v			10/10/17 16:45	2
n-Heptane	6.7		0.40	0.14	ppb v/v			10/10/17 16:45	2
Trichloroethene	0.61		0.40	0.018	ppb v/v			10/10/17 16:45	2
Methyl methacrylate	ND		1.0	0.22	ppb v/v			10/10/17 16:45	2
1,2-Dichloropropane	ND		0.40	0.070	ppb v/v			10/10/17 16:45	2
1,4-Dioxane	ND		10	1.5	ppb v/v			10/10/17 16:45	2
Bromodichloromethane	ND		0.40	0.12	ppb v/v			10/10/17 16:45	2
cis-1,3-Dichloropropene	ND		0.40	0.072	ppb v/v			10/10/17 16:45	2
methyl isobutyl ketone	1.9		1.0	0.13	ppb v/v			10/10/17 16:45	2
Toluene	6.0		0.40	0.070	ppb v/v			10/10/17 16:45	2
trans-1,3-Dichloropropene	ND		0.40	0.076	ppb v/v			10/10/17 16:45	2
1,1,2-Trichloroethane	ND		0.40	0.034	ppb v/v			10/10/17 16:45	2
Tetrachloroethene	4.5		0.40	0.020	ppb v/v			10/10/17 16:45	2
Methyl Butyl Ketone (2-Hexanone)	1.3		1.0	0.17	ppb v/v			10/10/17 16:45	2
Dibromochloromethane	ND		0.40	0.034	ppb v/v			10/10/17 16:45	2
1,2-Dibromoethane	ND		0.40	0.046	ppb v/v			10/10/17 16:45	2
Chlorobenzene	ND		0.40	0.050	ppb v/v			10/10/17 16:45	2
Ethylbenzene	0.59		0.40	0.068	ppb v/v			10/10/17 16:45	2
m,p-Xylene	2.3		1.0	0.15	ppb v/v			10/10/17 16:45	2
Xylene, o-	0.80		0.40	0.080	ppb v/v			10/10/17 16:45	2
Xylene (total)	3.1		1.4	0.080	ppb v/v			10/10/17 16:45	2
Styrene	0.16	J	0.40	0.070	ppb v/v			10/10/17 16:45	2
Bromoform	ND		0.40	0.070	ppb v/v			10/10/17 16:45	2
Cumene	0.21	J	0.40	0.078	ppb v/v			10/10/17 16:45	2
1,1,2,2-Tetrachloroethane	ND		0.40	0.052	ppb v/v			10/10/17 16:45	2
n-Propylbenzene	0.18	J	0.40	0.080	ppb v/v			10/10/17 16:45	2
4-Ethyltoluene	0.26	J	0.40	0.080	ppb v/v			10/10/17 16:45	2
1,3,5-Trimethylbenzene	0.27	J	0.40	0.080	ppb v/v			10/10/17 16:45	2
2-Chlorotoluene	ND		0.40	0.070	ppb v/v			10/10/17 16:45	2
tert-Butylbenzene	ND		0.40	0.074	ppb v/v			10/10/17 16:45	2
1,2,4-Trimethylbenzene	0.75		0.40	0.11	ppb v/v			10/10/17 16:45	2
sec-Butylbenzene	ND		0.40	0.074	ppb v/v			10/10/17 16:45	2
4-Isopropyltoluene	ND		0.40	0.10	ppb v/v			10/10/17 16:45	2
1,3-Dichlorobenzene	ND		0.40	0.10	ppb v/v			10/10/17 16:45	2
1,4-Dichlorobenzene	ND		0.40	0.13	ppb v/v			10/10/17 16:45	2
Benzyl chloride	ND		0.40	0.13	ppb v/v			10/10/17 16:45	2
n-Butylbenzene	ND		0.40	0.14	ppb v/v			10/10/17 16:45	2
1,2-Dichlorobenzene	ND		0.40	0.090	ppb v/v			10/10/17 16:45	2
1,2,4-Trichlorobenzene	ND		1.0	0.38	ppb v/v			10/10/17 16:45	2

Client Sample ID: SS4
Lab Sample ID: 200-40374-3
Date Collected: 10/04/17 18:05
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.40	0.13	ppb v/v			10/10/17 16:45	2
Naphthalene	ND		1.0	0.20	ppb v/v			10/10/17 16:45	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.5**	**J**	4.9	0.46	ug/m3			10/10/17 16:45	2
Freon 22	**3.7**		3.5	1.4	ug/m3			10/10/17 16:45	2
1,2-Dichlorotetrafluoroethane	ND		2.8	0.57	ug/m3			10/10/17 16:45	2
Chloromethane	**0.97**	**J**	2.1	0.66	ug/m3			10/10/17 16:45	2
n-Butane	**100**		2.4	0.22	ug/m3			10/10/17 16:45	2
Vinyl chloride	ND		1.0	0.092	ug/m3			10/10/17 16:45	2
1,3-Butadiene	ND		0.88	0.16	ug/m3			10/10/17 16:45	2
Bromomethane	ND		1.6	0.28	ug/m3			10/10/17 16:45	2
Chloroethane	ND		2.6	0.69	ug/m3			10/10/17 16:45	2
Bromoethene(Vinyl Bromide)	ND		1.7	0.19	ug/m3			10/10/17 16:45	2
Trichlorofluoromethane	**1.3**	**J**	2.2	0.35	ug/m3			10/10/17 16:45	2
Freon TF	**0.58**	**J**	3.1	0.41	ug/m3			10/10/17 16:45	2
1,1-Dichloroethene	ND		1.6	0.28	ug/m3			10/10/17 16:45	2
Acetone	**87**		24	6.2	ug/m3			10/10/17 16:45	2
Isopropyl alcohol	**2.4**	**J**	25	0.64	ug/m3			10/10/17 16:45	2
Carbon disulfide	**3.5**		3.1	0.17	ug/m3			10/10/17 16:45	2
3-Chloropropene	ND		3.1	0.39	ug/m3			10/10/17 16:45	2
Methylene Chloride	**0.57**	**J**	3.5	0.47	ug/m3			10/10/17 16:45	2
tert-Butyl alcohol	ND		30	10	ug/m3			10/10/17 16:45	2
Methyl tert-butyl ether	ND		1.4	0.30	ug/m3			10/10/17 16:45	2
trans-1,2-Dichloroethene	ND		1.6	0.40	ug/m3			10/10/17 16:45	2
n-Hexane	**38**		1.4	0.32	ug/m3			10/10/17 16:45	2
1,1-Dichloroethane	ND		1.6	0.14	ug/m3			10/10/17 16:45	2
Methyl Ethyl Ketone	**18**		2.9	0.65	ug/m3			10/10/17 16:45	2
cis-1,2-Dichloroethene	**3.5**		1.6	0.23	ug/m3			10/10/17 16:45	2
1,2-Dichloroethene, Total	**3.4**		3.2	0.23	ug/m3			10/10/17 16:45	2
Chloroform	**0.80**	**J**	2.0	0.24	ug/m3			10/10/17 16:45	2
Tetrahydrofuran	ND		29	7.1	ug/m3			10/10/17 16:45	2
1,1,1-Trichloroethane	**0.48**	**J**	2.2	0.28	ug/m3			10/10/17 16:45	2
Cyclohexane	**16**		1.4	0.31	ug/m3			10/10/17 16:45	2
Carbon tetrachloride	**0.34**	**J**	2.5	0.14	ug/m3			10/10/17 16:45	2
2,2,4-Trimethylpentane	**1.5**	**J**	1.9	0.40	ug/m3			10/10/17 16:45	2
Benzene	**7.5**		1.3	0.18	ug/m3			10/10/17 16:45	2
1,2-Dichloroethane	ND		1.6	0.28	ug/m3			10/10/17 16:45	2
n-Heptane	**28**		1.6	0.56	ug/m3			10/10/17 16:45	2
Trichloroethene	**3.3**		2.1	0.098	ug/m3			10/10/17 16:45	2
Methyl methacrylate	ND		4.1	0.90	ug/m3			10/10/17 16:45	2
1,2-Dichloropropane	ND		1.8	0.32	ug/m3			10/10/17 16:45	2
1,4-Dioxane	ND		36	5.5	ug/m3			10/10/17 16:45	2
Bromodichloromethane	ND		2.7	0.79	ug/m3			10/10/17 16:45	2
cis-1,3-Dichloropropene	ND		1.8	0.33	ug/m3			10/10/17 16:45	2
methyl isobutyl ketone	**7.9**		4.1	0.53	ug/m3			10/10/17 16:45	2
Toluene	**23**		1.5	0.26	ug/m3			10/10/17 16:45	2
trans-1,3-Dichloropropene	ND		1.8	0.34	ug/m3			10/10/17 16:45	2
1,1,2-Trichloroethane	ND		2.2	0.19	ug/m3			10/10/17 16:45	2

Client Sample ID: SS4

Lab Sample ID: 200-40374-3
Matrix: Air
Date Collected: 10/04/17 18:05
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	30		2.7	0.13	ug/m3			10/10/17 16:45	2
Methyl Butyl Ketone (2-Hexanone)	5.2		4.1	0.70	ug/m3			10/10/17 16:45	2
Dibromochloromethane	ND		3.4	0.29	ug/m3			10/10/17 16:45	2
1,2-Dibromoethane	ND		3.1	0.35	ug/m3			10/10/17 16:45	2
Chlorobenzene	ND		1.8	0.23	ug/m3			10/10/17 16:45	2
Ethylbenzene	2.6		1.7	0.30	ug/m3			10/10/17 16:45	2
m,p-Xylene	10		4.3	0.67	ug/m3			10/10/17 16:45	2
Xylene, o-	3.5		1.7	0.35	ug/m3			10/10/17 16:45	2
Xylene (total)	13		6.1	0.35	ug/m3			10/10/17 16:45	2
Styrene	0.68	J	1.7	0.30	ug/m3			10/10/17 16:45	2
Bromoform	ND		4.1	0.72	ug/m3			10/10/17 16:45	2
Cumene	1.0	J	2.0	0.38	ug/m3			10/10/17 16:45	2
1,1,2,2-Tetrachloroethane	ND		2.7	0.36	ug/m3			10/10/17 16:45	2
n-Propylbenzene	0.89	J	2.0	0.39	ug/m3			10/10/17 16:45	2
4-Ethyltoluene	1.3	J	2.0	0.39	ug/m3			10/10/17 16:45	2
1,3,5-Trimethylbenzene	1.3	J	2.0	0.39	ug/m3			10/10/17 16:45	2
2-Chlorotoluene	ND		2.1	0.36	ug/m3			10/10/17 16:45	2
tert-Butylbenzene	ND		2.2	0.41	ug/m3			10/10/17 16:45	2
1,2,4-Trimethylbenzene	3.7		2.0	0.56	ug/m3			10/10/17 16:45	2
sec-Butylbenzene	ND		2.2	0.41	ug/m3			10/10/17 16:45	2
4-Isopropyltoluene	ND		2.2	0.57	ug/m3			10/10/17 16:45	2
1,3-Dichlorobenzene	ND		2.4	0.60	ug/m3			10/10/17 16:45	2
1,4-Dichlorobenzene	ND		2.4	0.76	ug/m3			10/10/17 16:45	2
Benzyl chloride	ND		2.1	0.69	ug/m3			10/10/17 16:45	2
n-Butylbenzene	ND		2.2	0.75	ug/m3			10/10/17 16:45	2
1,2-Dichlorobenzene	ND		2.4	0.54	ug/m3			10/10/17 16:45	2
1,2,4-Trichlorobenzene	ND		7.4	2.8	ug/m3			10/10/17 16:45	2
Hexachlorobutadiene	ND		4.3	1.4	ug/m3			10/10/17 16:45	2
Naphthalene	ND		5.2	1.0	ug/m3			10/10/17 16:45	2

Client Sample ID: ID4

Lab Sample ID: 200-40374-4
Matrix: Air
Date Collected: 10/04/17 18:05
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50		0.50	0.047	ppb v/v			10/09/17 20:14	1
Freon 22	0.91		0.50	0.20	ppb v/v			10/09/17 20:14	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			10/09/17 20:14	1
Chloromethane	0.49	J	0.50	0.16	ppb v/v			10/09/17 20:14	1
n-Butane	15		0.50	0.046	ppb v/v			10/09/17 20:14	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			10/09/17 20:14	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			10/09/17 20:14	1
Bromomethane	ND		0.20	0.036	ppb v/v			10/09/17 20:14	1
Chloroethane	ND		0.50	0.13	ppb v/v			10/09/17 20:14	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			10/09/17 20:14	1
Trichlorofluoromethane	0.25		0.20	0.031	ppb v/v			10/09/17 20:14	1
Freon TF	0.078	J	0.20	0.027	ppb v/v			10/09/17 20:14	1

Client Sample ID: ID4
Date Collected: 10/04/17 18:05
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			10/09/17 20:14	1
Acetone	**7.6**		5.0	1.3	ppb v/v			10/09/17 20:14	1
Isopropyl alcohol	**0.31**	**J**	5.0	0.13	ppb v/v			10/09/17 20:14	1
Carbon disulfide	**0.13**	**J**	0.50	0.028	ppb v/v			10/09/17 20:14	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			10/09/17 20:14	1
Methylene Chloride	**0.088**	**J**	0.50	0.068	ppb v/v			10/09/17 20:14	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			10/09/17 20:14	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			10/09/17 20:14	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			10/09/17 20:14	1
n-Hexane	**0.52**		0.20	0.046	ppb v/v			10/09/17 20:14	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 20:14	1
Methyl Ethyl Ketone	**1.2**		0.50	0.11	ppb v/v			10/09/17 20:14	1
cis-1,2-Dichloroethene	**1.4**		0.20	0.029	ppb v/v			10/09/17 20:14	1
1,2-Dichloroethene, Total	**1.4**		0.40	0.029	ppb v/v			10/09/17 20:14	1
Chloroform	ND		0.20	0.025	ppb v/v			10/09/17 20:14	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			10/09/17 20:14	1
1,1,1-Trichloroethane	**0.026**	**J**	0.20	0.026	ppb v/v			10/09/17 20:14	1
Cyclohexane	**0.057**	**J**	0.20	0.045	ppb v/v			10/09/17 20:14	1
Carbon tetrachloride	**0.072**	**J**	0.20	0.011	ppb v/v			10/09/17 20:14	1
2,2,4-Trimethylpentane	**0.047**	**J**	0.20	0.043	ppb v/v			10/09/17 20:14	1
Benzene	**0.11**	**J**	0.20	0.028	ppb v/v			10/09/17 20:14	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			10/09/17 20:14	1
n-Heptane	**0.14**	**J**	0.20	0.068	ppb v/v			10/09/17 20:14	1
Trichloroethene	**0.65**		0.20	0.0091	ppb v/v			10/09/17 20:14	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			10/09/17 20:14	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			10/09/17 20:14	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			10/09/17 20:14	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			10/09/17 20:14	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			10/09/17 20:14	1
methyl isobutyl ketone	**0.14**	**J**	0.50	0.065	ppb v/v			10/09/17 20:14	1
Toluene	**0.36**		0.20	0.035	ppb v/v			10/09/17 20:14	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			10/09/17 20:14	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 20:14	1
Tetrachloroethene	**3.6**		0.20	0.0098	ppb v/v			10/09/17 20:14	1
Methyl Butyl Ketone (2-Hexanone)	**0.16**	**J**	0.50	0.086	ppb v/v			10/09/17 20:14	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			10/09/17 20:14	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			10/09/17 20:14	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			10/09/17 20:14	1
Ethylbenzene	**0.074**	**J**	0.20	0.034	ppb v/v			10/09/17 20:14	1
m,p-Xylene	**0.33**	**J**	0.50	0.077	ppb v/v			10/09/17 20:14	1
Xylene, o-	**0.14**	**J**	0.20	0.040	ppb v/v			10/09/17 20:14	1
Xylene (total)	**0.47**	**J**	0.70	0.040	ppb v/v			10/09/17 20:14	1
Styrene	ND		0.20	0.035	ppb v/v			10/09/17 20:14	1
Bromoform	ND		0.20	0.035	ppb v/v			10/09/17 20:14	1
Cumene	ND		0.20	0.039	ppb v/v			10/09/17 20:14	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			10/09/17 20:14	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 20:14	1
4-Ethyltoluene	**0.063**	**J**	0.20	0.040	ppb v/v			10/09/17 20:14	1

Client Sample ID: ID4
Lab Sample ID: 200-40374-4
Date Collected: 10/04/17 18:05
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.053	J	0.20	0.040	ppb v/v			10/09/17 20:14	1
2-Chlorotoluene	0.075	J	0.20	0.035	ppb v/v			10/09/17 20:14	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 20:14	1
1,2,4-Trimethylbenzene	0.24		0.20	0.057	ppb v/v			10/09/17 20:14	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 20:14	1
4-Isopropyltoluene	0.070	J	0.20	0.052	ppb v/v			10/09/17 20:14	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			10/09/17 20:14	1
1,4-Dichlorobenzene	0.087	J	0.20	0.063	ppb v/v			10/09/17 20:14	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			10/09/17 20:14	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			10/09/17 20:14	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			10/09/17 20:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			10/09/17 20:14	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			10/09/17 20:14	1
Naphthalene	ND		0.50	0.10	ppb v/v			10/09/17 20:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5		2.5	0.23	ug/m3			10/09/17 20:14	1
Freon 22	3.2		1.8	0.71	ug/m3			10/09/17 20:14	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			10/09/17 20:14	1
Chloromethane	1.0	J	1.0	0.33	ug/m3			10/09/17 20:14	1
n-Butane	35		1.2	0.11	ug/m3			10/09/17 20:14	1
Vinyl chloride	ND		0.51	0.046	ug/m3			10/09/17 20:14	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			10/09/17 20:14	1
Bromomethane	ND		0.78	0.14	ug/m3			10/09/17 20:14	1
Chloroethane	ND		1.3	0.34	ug/m3			10/09/17 20:14	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			10/09/17 20:14	1
Trichlorofluoromethane	1.4		1.1	0.17	ug/m3			10/09/17 20:14	1
Freon TF	0.60	J	1.5	0.21	ug/m3			10/09/17 20:14	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			10/09/17 20:14	1
Acetone	18		12	3.1	ug/m3			10/09/17 20:14	1
Isopropyl alcohol	0.76	J	12	0.32	ug/m3			10/09/17 20:14	1
Carbon disulfide	0.40	J	1.6	0.087	ug/m3			10/09/17 20:14	1
3-Chloropropene	ND		1.6	0.20	ug/m3			10/09/17 20:14	1
Methylene Chloride	0.31	J	1.7	0.24	ug/m3			10/09/17 20:14	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			10/09/17 20:14	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			10/09/17 20:14	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			10/09/17 20:14	1
n-Hexane	1.8		0.70	0.16	ug/m3			10/09/17 20:14	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			10/09/17 20:14	1
Methyl Ethyl Ketone	3.5		1.5	0.32	ug/m3			10/09/17 20:14	1
cis-1,2-Dichloroethene	5.6		0.79	0.11	ug/m3			10/09/17 20:14	1
1,2-Dichloroethene, Total	5.6		1.6	0.11	ug/m3			10/09/17 20:14	1
Chloroform	ND		0.98	0.12	ug/m3			10/09/17 20:14	1
Tetrahydrofuran	ND		15	3.5	ug/m3			10/09/17 20:14	1
1,1,1-Trichloroethane	0.14	J	1.1	0.14	ug/m3			10/09/17 20:14	1
Cyclohexane	0.20	J	0.69	0.15	ug/m3			10/09/17 20:14	1
Carbon tetrachloride	0.45	J	1.3	0.069	ug/m3			10/09/17 20:14	1
2,2,4-Trimethylpentane	0.22	J	0.93	0.20	ug/m3			10/09/17 20:14	1
Benzene	0.34	J	0.64	0.089	ug/m3			10/09/17 20:14	1

Client Sample ID: ID4
Date Collected: 10/04/17 18:05
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			10/09/17 20:14	1
n-Heptane	**0.58**	**J**	0.82	0.28	ug/m3			10/09/17 20:14	1
Trichloroethene	**3.5**		1.1	0.049	ug/m3			10/09/17 20:14	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			10/09/17 20:14	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			10/09/17 20:14	1
1,4-Dioxane	ND		18	2.7	ug/m3			10/09/17 20:14	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			10/09/17 20:14	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			10/09/17 20:14	1
methyl isobutyl ketone	**0.59**	**J**	2.0	0.27	ug/m3			10/09/17 20:14	1
Toluene	**1.3**		0.75	0.13	ug/m3			10/09/17 20:14	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			10/09/17 20:14	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			10/09/17 20:14	1
Tetrachloroethene	**25**		1.4	0.066	ug/m3			10/09/17 20:14	1
Methyl Butyl Ketone (2-Hexanone)	**0.64**	**J**	2.0	0.35	ug/m3			10/09/17 20:14	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			10/09/17 20:14	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			10/09/17 20:14	1
Chlorobenzene	ND		0.92	0.12	ug/m3			10/09/17 20:14	1
Ethylbenzene	**0.32**	**J**	0.87	0.15	ug/m3			10/09/17 20:14	1
m,p-Xylene	**1.4**	**J**	2.2	0.33	ug/m3			10/09/17 20:14	1
Xylene, o-	**0.59**	**J**	0.87	0.17	ug/m3			10/09/17 20:14	1
Xylene (total)	**2.0**	**J**	3.0	0.17	ug/m3			10/09/17 20:14	1
Styrene	ND		0.85	0.15	ug/m3			10/09/17 20:14	1
Bromoform	ND		2.1	0.36	ug/m3			10/09/17 20:14	1
Cumene	ND		0.98	0.19	ug/m3			10/09/17 20:14	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			10/09/17 20:14	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			10/09/17 20:14	1
4-Ethyltoluene	**0.31**	**J**	0.98	0.20	ug/m3			10/09/17 20:14	1
1,3,5-Trimethylbenzene	**0.26**	**J**	0.98	0.20	ug/m3			10/09/17 20:14	1
2-Chlorotoluene	**0.39**	**J**	1.0	0.18	ug/m3			10/09/17 20:14	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 20:14	1
1,2,4-Trimethylbenzene	**1.2**		0.98	0.28	ug/m3			10/09/17 20:14	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 20:14	1
4-Isopropyltoluene	**0.39**	**J**	1.1	0.29	ug/m3			10/09/17 20:14	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			10/09/17 20:14	1
1,4-Dichlorobenzene	**0.52**	**J**	1.2	0.38	ug/m3			10/09/17 20:14	1
Benzyl chloride	ND		1.0	0.35	ug/m3			10/09/17 20:14	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			10/09/17 20:14	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			10/09/17 20:14	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			10/09/17 20:14	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			10/09/17 20:14	1
Naphthalene	ND		2.6	0.52	ug/m3			10/09/17 20:14	1

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: SS5
Date Collected: 10/04/17 18:20
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		24	2.2	ppb v/v			10/10/17 17:35	47.85
Freon 22	ND		24	9.6	ppb v/v			10/10/17 17:35	47.85
1,2-Dichlorotetrafluoroethane	ND		9.6	2.0	ppb v/v			10/10/17 17:35	47.85
Chloromethane	ND		24	7.7	ppb v/v			10/10/17 17:35	47.85
n-Butane	**1400**		24	2.2	ppb v/v			10/10/17 17:35	47.85
Vinyl chloride	ND		9.6	0.86	ppb v/v			10/10/17 17:35	47.85
1,3-Butadiene	ND		9.6	1.8	ppb v/v			10/10/17 17:35	47.85
Bromomethane	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
Chloroethane	ND		24	6.2	ppb v/v			10/10/17 17:35	47.85
Bromoethene(Vinyl Bromide)	ND		9.6	1.1	ppb v/v			10/10/17 17:35	47.85
Trichlorofluoromethane	ND		9.6	1.5	ppb v/v			10/10/17 17:35	47.85
Freon TF	ND		9.6	1.3	ppb v/v			10/10/17 17:35	47.85
1,1-Dichloroethene	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
Acetone	**71**	**J**	240	62	ppb v/v			10/10/17 17:35	47.85
Isopropyl alcohol	ND		240	6.2	ppb v/v			10/10/17 17:35	47.85
Carbon disulfide	**6.0**	**J**	24	1.3	ppb v/v			10/10/17 17:35	47.85
3-Chloropropene	ND		24	3.0	ppb v/v			10/10/17 17:35	47.85
Methylene Chloride	ND		24	3.3	ppb v/v			10/10/17 17:35	47.85
tert-Butyl alcohol	ND		240	81	ppb v/v			10/10/17 17:35	47.85
Methyl tert-butyl ether	ND		9.6	2.0	ppb v/v			10/10/17 17:35	47.85
trans-1,2-Dichloroethene	ND		9.6	2.4	ppb v/v			10/10/17 17:35	47.85
n-Hexane	**530**		9.6	2.2	ppb v/v			10/10/17 17:35	47.85
1,1-Dichloroethane	ND		9.6	0.81	ppb v/v			10/10/17 17:35	47.85
Methyl Ethyl Ketone	**7.8**	**J**	24	5.3	ppb v/v			10/10/17 17:35	47.85
cis-1,2-Dichloroethene	ND		9.6	1.4	ppb v/v			10/10/17 17:35	47.85
1,2-Dichloroethene, Total	ND		19	1.4	ppb v/v			10/10/17 17:35	47.85
Chloroform	ND		9.6	1.2	ppb v/v			10/10/17 17:35	47.85
Tetrahydrofuran	ND		240	57	ppb v/v			10/10/17 17:35	47.85
1,1,1-Trichloroethane	ND		9.6	1.2	ppb v/v			10/10/17 17:35	47.85
Cyclohexane	**650**		9.6	2.2	ppb v/v			10/10/17 17:35	47.85
Carbon tetrachloride	ND		9.6	0.53	ppb v/v			10/10/17 17:35	47.85
2,2,4-Trimethylpentane	**4.9**	**J**	9.6	2.1	ppb v/v			10/10/17 17:35	47.85
Benzene	**22**		9.6	1.3	ppb v/v			10/10/17 17:35	47.85
1,2-Dichloroethane	ND		9.6	1.6	ppb v/v			10/10/17 17:35	47.85
n-Heptane	**360**		9.6	3.3	ppb v/v			10/10/17 17:35	47.85
Trichloroethene	**0.84**	**J**	9.6	0.44	ppb v/v			10/10/17 17:35	47.85
Methyl methacrylate	ND		24	5.3	ppb v/v			10/10/17 17:35	47.85
1,2-Dichloropropane	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
1,4-Dioxane	ND		240	36	ppb v/v			10/10/17 17:35	47.85
Bromodichloromethane	ND		9.6	2.8	ppb v/v			10/10/17 17:35	47.85
cis-1,3-Dichloropropene	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
methyl isobutyl ketone	ND		24	3.1	ppb v/v			10/10/17 17:35	47.85
Toluene	**82**		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
trans-1,3-Dichloropropene	ND		9.6	1.8	ppb v/v			10/10/17 17:35	47.85
1,1,2-Trichloroethane	ND		9.6	0.81	ppb v/v			10/10/17 17:35	47.85
Tetrachloroethene	**7.9**	**J**	9.6	0.47	ppb v/v			10/10/17 17:35	47.85
Methyl Butyl Ketone (2-Hexanone)	ND		24	4.1	ppb v/v			10/10/17 17:35	47.85
Dibromochloromethane	ND		9.6	0.81	ppb v/v			10/10/17 17:35	47.85

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: SS5
Date Collected: 10/04/17 18:20
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		9.6	1.1	ppb v/v			10/10/17 17:35	47.85
Chlorobenzene	ND		9.6	1.2	ppb v/v			10/10/17 17:35	47.85
Ethylbenzene	**16**		9.6	1.6	ppb v/v			10/10/17 17:35	47.85
m,p-Xylene	**77**		24	3.7	ppb v/v			10/10/17 17:35	47.85
Xylene, o-	**24**		9.6	1.9	ppb v/v			10/10/17 17:35	47.85
Xylene (total)	**100**		33	1.9	ppb v/v			10/10/17 17:35	47.85
Styrene	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
Bromoform	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
Cumene	**4.0**	**J**	9.6	1.9	ppb v/v			10/10/17 17:35	47.85
1,1,2,2-Tetrachloroethane	ND		9.6	1.2	ppb v/v			10/10/17 17:35	47.85
n-Propylbenzene	**3.2**	**J**	9.6	1.9	ppb v/v			10/10/17 17:35	47.85
4-Ethyltoluene	**1.9**	**J**	9.6	1.9	ppb v/v			10/10/17 17:35	47.85
1,3,5-Trimethylbenzene	**4.1**	**J**	9.6	1.9	ppb v/v			10/10/17 17:35	47.85
2-Chlorotoluene	ND		9.6	1.7	ppb v/v			10/10/17 17:35	47.85
tert-Butylbenzene	ND		9.6	1.8	ppb v/v			10/10/17 17:35	47.85
1,2,4-Trimethylbenzene	**3.7**	**J**	9.6	2.7	ppb v/v			10/10/17 17:35	47.85
sec-Butylbenzene	ND		9.6	1.8	ppb v/v			10/10/17 17:35	47.85
4-Isopropyltoluene	ND		9.6	2.5	ppb v/v			10/10/17 17:35	47.85
1,3-Dichlorobenzene	ND		9.6	2.4	ppb v/v			10/10/17 17:35	47.85
1,4-Dichlorobenzene	ND		9.6	3.0	ppb v/v			10/10/17 17:35	47.85
Benzyl chloride	ND		9.6	3.2	ppb v/v			10/10/17 17:35	47.85
n-Butylbenzene	ND		9.6	3.3	ppb v/v			10/10/17 17:35	47.85
1,2-Dichlorobenzene	ND		9.6	2.2	ppb v/v			10/10/17 17:35	47.85
1,2,4-Trichlorobenzene	ND		24	9.1	ppb v/v			10/10/17 17:35	47.85
Hexachlorobutadiene	ND		9.6	3.1	ppb v/v			10/10/17 17:35	47.85
Naphthalene	ND		24	4.8	ppb v/v			10/10/17 17:35	47.85

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		120	11	ug/m3			10/10/17 17:35	47.85
Freon 22	ND		85	34	ug/m3			10/10/17 17:35	47.85
1,2-Dichlorotetrafluoroethane	ND		67	14	ug/m3			10/10/17 17:35	47.85
Chloromethane	ND		49	16	ug/m3			10/10/17 17:35	47.85
n-Butane	**3400**		57	5.2	ug/m3			10/10/17 17:35	47.85
Vinyl chloride	ND		24	2.2	ug/m3			10/10/17 17:35	47.85
1,3-Butadiene	ND		21	3.9	ug/m3			10/10/17 17:35	47.85
Bromomethane	ND		37	6.7	ug/m3			10/10/17 17:35	47.85
Chloroethane	ND		63	16	ug/m3			10/10/17 17:35	47.85
Bromoethene(Vinyl Bromide)	ND		42	4.6	ug/m3			10/10/17 17:35	47.85
Trichlorofluoromethane	ND		54	8.3	ug/m3			10/10/17 17:35	47.85
Freon TF	ND		73	9.9	ug/m3			10/10/17 17:35	47.85
1,1-Dichloroethene	ND		38	6.6	ug/m3			10/10/17 17:35	47.85
Acetone	**170**	**J**	570	150	ug/m3			10/10/17 17:35	47.85
Isopropyl alcohol	ND		590	15	ug/m3			10/10/17 17:35	47.85
Carbon disulfide	**19**	**J**	75	4.2	ug/m3			10/10/17 17:35	47.85
3-Chloropropene	ND		75	9.4	ug/m3			10/10/17 17:35	47.85
Methylene Chloride	ND		83	11	ug/m3			10/10/17 17:35	47.85
tert-Butyl alcohol	ND		730	250	ug/m3			10/10/17 17:35	47.85
Methyl tert-butyl ether	ND		35	7.1	ug/m3			10/10/17 17:35	47.85
trans-1,2-Dichloroethene	ND		38	9.5	ug/m3			10/10/17 17:35	47.85

Client Sample ID: SS5
Lab Sample ID: 200-40374-5
Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	**1900**		34	7.8	ug/m3			10/10/17 17:35	47.85
1,1-Dichloroethane	ND		39	3.3	ug/m3			10/10/17 17:35	47.85
Methyl Ethyl Ketone	**23**	**J**	71	16	ug/m3			10/10/17 17:35	47.85
cis-1,2-Dichloroethene	ND		38	5.5	ug/m3			10/10/17 17:35	47.85
1,2-Dichloroethene, Total	ND		76	5.5	ug/m3			10/10/17 17:35	47.85
Chloroform	ND		47	5.8	ug/m3			10/10/17 17:35	47.85
Tetrahydrofuran	ND		710	170	ug/m3			10/10/17 17:35	47.85
1,1,1-Trichloroethane	ND		52	6.8	ug/m3			10/10/17 17:35	47.85
Cyclohexane	**2200**		33	7.4	ug/m3			10/10/17 17:35	47.85
Carbon tetrachloride	ND		60	3.3	ug/m3			10/10/17 17:35	47.85
2,2,4-Trimethylpentane	**23**	**J**	45	9.6	ug/m3			10/10/17 17:35	47.85
Benzene	**71**		31	4.3	ug/m3			10/10/17 17:35	47.85
1,2-Dichloroethane	ND		39	6.6	ug/m3			10/10/17 17:35	47.85
n-Heptane	**1500**		39	13	ug/m3			10/10/17 17:35	47.85
Trichloroethene	**4.5**	**J**	51	2.3	ug/m3			10/10/17 17:35	47.85
Methyl methacrylate	ND		98	22	ug/m3			10/10/17 17:35	47.85
1,2-Dichloropropane	ND		44	7.7	ug/m3			10/10/17 17:35	47.85
1,4-Dioxane	ND		860	130	ug/m3			10/10/17 17:35	47.85
Bromodichloromethane	ND		64	19	ug/m3			10/10/17 17:35	47.85
cis-1,3-Dichloropropene	ND		43	7.8	ug/m3			10/10/17 17:35	47.85
methyl isobutyl ketone	ND		98	13	ug/m3			10/10/17 17:35	47.85
Toluene	**310**		36	6.3	ug/m3			10/10/17 17:35	47.85
trans-1,3-Dichloropropene	ND		43	8.3	ug/m3			10/10/17 17:35	47.85
1,1,2-Trichloroethane	ND		52	4.4	ug/m3			10/10/17 17:35	47.85
Tetrachloroethene	**54**	**J**	65	3.2	ug/m3			10/10/17 17:35	47.85
Methyl Butyl Ketone (2-Hexanone)	ND		98	17	ug/m3			10/10/17 17:35	47.85
Dibromochloromethane	ND		82	6.9	ug/m3			10/10/17 17:35	47.85
1,2-Dibromoethane	ND		74	8.5	ug/m3			10/10/17 17:35	47.85
Chlorobenzene	ND		44	5.5	ug/m3			10/10/17 17:35	47.85
Ethylbenzene	**71**		42	7.1	ug/m3			10/10/17 17:35	47.85
m,p-Xylene	**340**		100	16	ug/m3			10/10/17 17:35	47.85
Xylene, o-	**100**		42	8.3	ug/m3			10/10/17 17:35	47.85
Xylene (total)	**440**		150	8.3	ug/m3			10/10/17 17:35	47.85
Styrene	ND		41	7.1	ug/m3			10/10/17 17:35	47.85
Bromoform	ND		99	17	ug/m3			10/10/17 17:35	47.85
Cumene	**20**	**J**	47	9.2	ug/m3			10/10/17 17:35	47.85
1,1,2,2-Tetrachloroethane	ND		66	8.5	ug/m3			10/10/17 17:35	47.85
n-Propylbenzene	**16**	**J**	47	9.4	ug/m3			10/10/17 17:35	47.85
4-Ethyltoluene	**9.1**	**J**	47	9.4	ug/m3			10/10/17 17:35	47.85
1,3,5-Trimethylbenzene	**20**	**J**	47	9.4	ug/m3			10/10/17 17:35	47.85
2-Chlorotoluene	ND		50	8.7	ug/m3			10/10/17 17:35	47.85
tert-Butylbenzene	ND		53	9.7	ug/m3			10/10/17 17:35	47.85
1,2,4-Trimethylbenzene	**18**	**J**	47	13	ug/m3			10/10/17 17:35	47.85
sec-Butylbenzene	ND		53	9.7	ug/m3			10/10/17 17:35	47.85
4-Isopropyltoluene	ND		53	14	ug/m3			10/10/17 17:35	47.85
1,3-Dichlorobenzene	ND		58	14	ug/m3			10/10/17 17:35	47.85
1,4-Dichlorobenzene	ND		58	18	ug/m3			10/10/17 17:35	47.85
Benzyl chloride	ND		50	17	ug/m3			10/10/17 17:35	47.85

Client Sample ID: SS5
Lab Sample ID: 200-40374-5
Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		53	18	ug/m3			10/10/17 17:35	47.85
1,2-Dichlorobenzene	ND		58	13	ug/m3			10/10/17 17:35	47.85
1,2,4-Trichlorobenzene	ND		180	67	ug/m3			10/10/17 17:35	47.85
Hexachlorobutadiene	ND		100	33	ug/m3			10/10/17 17:35	47.85
Naphthalene	ND		130	25	ug/m3			10/10/17 17:35	47.85

Client Sample ID: ID5
Lab Sample ID: 200-40374-6
Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.48**	**J**	0.50	0.047	ppb v/v			10/09/17 21:55	1
Freon 22	**2.2**		0.50	0.20	ppb v/v			10/09/17 21:55	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			10/09/17 21:55	1
Chloromethane	**0.48**	**J**	0.50	0.16	ppb v/v			10/09/17 21:55	1
n-Butane	**26**		0.50	0.046	ppb v/v			10/09/17 21:55	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			10/09/17 21:55	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			10/09/17 21:55	1
Bromomethane	ND		0.20	0.036	ppb v/v			10/09/17 21:55	1
Chloroethane	ND		0.50	0.13	ppb v/v			10/09/17 21:55	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			10/09/17 21:55	1
Trichlorofluoromethane	**0.23**		0.20	0.031	ppb v/v			10/09/17 21:55	1
Freon TF	**0.076**	**J**	0.20	0.027	ppb v/v			10/09/17 21:55	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			10/09/17 21:55	1
Acetone	**4.3**	**J**	5.0	1.3	ppb v/v			10/09/17 21:55	1
Isopropyl alcohol	**0.35**	**J**	5.0	0.13	ppb v/v			10/09/17 21:55	1
Carbon disulfide	**0.029**	**J**	0.50	0.028	ppb v/v			10/09/17 21:55	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			10/09/17 21:55	1
Methylene Chloride	**0.18**	**J**	0.50	0.068	ppb v/v			10/09/17 21:55	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			10/09/17 21:55	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			10/09/17 21:55	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			10/09/17 21:55	1
n-Hexane	**0.95**		0.20	0.046	ppb v/v			10/09/17 21:55	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 21:55	1
Methyl Ethyl Ketone	**0.51**		0.50	0.11	ppb v/v			10/09/17 21:55	1
cis-1,2-Dichloroethene	**0.90**		0.20	0.029	ppb v/v			10/09/17 21:55	1
1,2-Dichloroethene, Total	**0.90**		0.40	0.029	ppb v/v			10/09/17 21:55	1
Chloroform	ND		0.20	0.025	ppb v/v			10/09/17 21:55	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			10/09/17 21:55	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			10/09/17 21:55	1
Cyclohexane	**0.13**	**J**	0.20	0.045	ppb v/v			10/09/17 21:55	1
Carbon tetrachloride	**0.064**	**J**	0.20	0.011	ppb v/v			10/09/17 21:55	1
2,2,4-Trimethylpentane	**0.070**	**J**	0.20	0.043	ppb v/v			10/09/17 21:55	1
Benzene	**0.11**	**J**	0.20	0.028	ppb v/v			10/09/17 21:55	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			10/09/17 21:55	1
n-Heptane	**0.25**		0.20	0.068	ppb v/v			10/09/17 21:55	1
Trichloroethene	**0.45**		0.20	0.0091	ppb v/v			10/09/17 21:55	1

Client Sample ID: ID5
Date Collected: 10/04/17 18:20
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	ND		0.50	0.11	ppb v/v			10/09/17 21:55	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			10/09/17 21:55	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			10/09/17 21:55	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			10/09/17 21:55	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			10/09/17 21:55	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			10/09/17 21:55	1
Toluene	**0.25**		0.20	0.035	ppb v/v			10/09/17 21:55	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			10/09/17 21:55	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 21:55	1
Tetrachloroethene	**2.1**		0.20	0.0098	ppb v/v			10/09/17 21:55	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			10/09/17 21:55	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			10/09/17 21:55	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			10/09/17 21:55	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			10/09/17 21:55	1
Ethylbenzene	**0.043**	**J**	0.20	0.034	ppb v/v			10/09/17 21:55	1
m,p-Xylene	**0.15**	**J**	0.50	0.077	ppb v/v			10/09/17 21:55	1
Xylene, o-	**0.066**	**J**	0.20	0.040	ppb v/v			10/09/17 21:55	1
Xylene (total)	**0.22**	**J**	0.70	0.040	ppb v/v			10/09/17 21:55	1
Styrene	ND		0.20	0.035	ppb v/v			10/09/17 21:55	1
Bromoform	ND		0.20	0.035	ppb v/v			10/09/17 21:55	1
Cumene	ND		0.20	0.039	ppb v/v			10/09/17 21:55	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			10/09/17 21:55	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 21:55	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			10/09/17 21:55	1
1,3,5-Trimethylbenzene	**0.040**	**J**	0.20	0.040	ppb v/v			10/09/17 21:55	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			10/09/17 21:55	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 21:55	1
1,2,4-Trimethylbenzene	**0.12**	**J**	0.20	0.057	ppb v/v			10/09/17 21:55	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 21:55	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			10/09/17 21:55	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			10/09/17 21:55	1
1,4-Dichlorobenzene	ND		0.20	0.063	ppb v/v			10/09/17 21:55	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			10/09/17 21:55	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			10/09/17 21:55	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			10/09/17 21:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			10/09/17 21:55	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			10/09/17 21:55	1
Naphthalene	ND		0.50	0.10	ppb v/v			10/09/17 21:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.23	ug/m3			10/09/17 21:55	1
Freon 22	**7.9**		1.8	0.71	ug/m3			10/09/17 21:55	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			10/09/17 21:55	1
Chloromethane	**0.99**	**J**	1.0	0.33	ug/m3			10/09/17 21:55	1
n-Butane	**63**		1.2	0.11	ug/m3			10/09/17 21:55	1
Vinyl chloride	ND		0.51	0.046	ug/m3			10/09/17 21:55	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			10/09/17 21:55	1
Bromomethane	ND		0.78	0.14	ug/m3			10/09/17 21:55	1
Chloroethane	ND		1.3	0.34	ug/m3			10/09/17 21:55	1

Client Sample ID: ID5
Lab Sample ID: 200-40374-6
Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			10/09/17 21:55	1
Trichlorofluoromethane	**1.3**		1.1	0.17	ug/m3			10/09/17 21:55	1
Freon TF	**0.58**	**J**	1.5	0.21	ug/m3			10/09/17 21:55	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			10/09/17 21:55	1
Acetone	**10**	**J**	12	3.1	ug/m3			10/09/17 21:55	1
Isopropyl alcohol	**0.85**	**J**	12	0.32	ug/m3			10/09/17 21:55	1
Carbon disulfide	**0.089**	**J**	1.6	0.087	ug/m3			10/09/17 21:55	1
3-Chloropropene	ND		1.6	0.20	ug/m3			10/09/17 21:55	1
Methylene Chloride	**0.61**	**J**	1.7	0.24	ug/m3			10/09/17 21:55	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			10/09/17 21:55	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			10/09/17 21:55	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			10/09/17 21:55	1
n-Hexane	**3.4**		0.70	0.16	ug/m3			10/09/17 21:55	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			10/09/17 21:55	1
Methyl Ethyl Ketone	**1.5**		1.5	0.32	ug/m3			10/09/17 21:55	1
cis-1,2-Dichloroethene	**3.6**		0.79	0.11	ug/m3			10/09/17 21:55	1
1,2-Dichloroethene, Total	**3.6**		1.6	0.11	ug/m3			10/09/17 21:55	1
Chloroform	ND		0.98	0.12	ug/m3			10/09/17 21:55	1
Tetrahydrofuran	ND		15	3.5	ug/m3			10/09/17 21:55	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			10/09/17 21:55	1
Cyclohexane	**0.44**	**J**	0.69	0.15	ug/m3			10/09/17 21:55	1
Carbon tetrachloride	**0.40**	**J**	1.3	0.069	ug/m3			10/09/17 21:55	1
2,2,4-Trimethylpentane	**0.33**	**J**	0.93	0.20	ug/m3			10/09/17 21:55	1
Benzene	**0.35**	**J**	0.64	0.089	ug/m3			10/09/17 21:55	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			10/09/17 21:55	1
n-Heptane	**1.0**		0.82	0.28	ug/m3			10/09/17 21:55	1
Trichloroethene	**2.4**		1.1	0.049	ug/m3			10/09/17 21:55	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			10/09/17 21:55	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			10/09/17 21:55	1
1,4-Dioxane	ND		18	2.7	ug/m3			10/09/17 21:55	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			10/09/17 21:55	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			10/09/17 21:55	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			10/09/17 21:55	1
Toluene	**0.95**		0.75	0.13	ug/m3			10/09/17 21:55	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			10/09/17 21:55	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			10/09/17 21:55	1
Tetrachloroethene	**15**		1.4	0.066	ug/m3			10/09/17 21:55	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			10/09/17 21:55	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			10/09/17 21:55	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			10/09/17 21:55	1
Chlorobenzene	ND		0.92	0.12	ug/m3			10/09/17 21:55	1
Ethylbenzene	**0.19**	**J**	0.87	0.15	ug/m3			10/09/17 21:55	1
m,p-Xylene	**0.66**	**J**	2.2	0.33	ug/m3			10/09/17 21:55	1
Xylene, o-	**0.29**	**J**	0.87	0.17	ug/m3			10/09/17 21:55	1
Xylene (total)	**0.94**	**J**	3.0	0.17	ug/m3			10/09/17 21:55	1
Styrene	ND		0.85	0.15	ug/m3			10/09/17 21:55	1
Bromoform	ND		2.1	0.36	ug/m3			10/09/17 21:55	1
Cumene	ND		0.98	0.19	ug/m3			10/09/17 21:55	1

Client Sample ID: ID5

Lab Sample ID: 200-40374-6

Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			10/09/17 21:55	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			10/09/17 21:55	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			10/09/17 21:55	1
1,3,5-Trimethylbenzene	**0.20**	**J**	0.98	0.20	ug/m3			10/09/17 21:55	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			10/09/17 21:55	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 21:55	1
1,2,4-Trimethylbenzene	**0.60**	**J**	0.98	0.28	ug/m3			10/09/17 21:55	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 21:55	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			10/09/17 21:55	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			10/09/17 21:55	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			10/09/17 21:55	1
Benzyl chloride	ND		1.0	0.35	ug/m3			10/09/17 21:55	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			10/09/17 21:55	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			10/09/17 21:55	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			10/09/17 21:55	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			10/09/17 21:55	1
Naphthalene	ND		2.6	0.52	ug/m3			10/09/17 21:55	1

Client Sample ID: OD2

Lab Sample ID: 200-40374-7

Date Collected: 10/04/17 18:25
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.47**	**J**	0.50	0.047	ppb v/v			10/09/17 22:45	1
Freon 22	**0.27**	**J**	0.50	0.20	ppb v/v			10/09/17 22:45	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			10/09/17 22:45	1
Chloromethane	**0.52**		0.50	0.16	ppb v/v			10/09/17 22:45	1
n-Butane	**0.59**		0.50	0.046	ppb v/v			10/09/17 22:45	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			10/09/17 22:45	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			10/09/17 22:45	1
Bromomethane	ND		0.20	0.036	ppb v/v			10/09/17 22:45	1
Chloroethane	ND		0.50	0.13	ppb v/v			10/09/17 22:45	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			10/09/17 22:45	1
Trichlorofluoromethane	**0.22**		0.20	0.031	ppb v/v			10/09/17 22:45	1
Freon TF	**0.073**	**J**	0.20	0.027	ppb v/v			10/09/17 22:45	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			10/09/17 22:45	1
Acetone	**11**		5.0	1.3	ppb v/v			10/09/17 22:45	1
Isopropyl alcohol	**0.38**	**J**	5.0	0.13	ppb v/v			10/09/17 22:45	1
Carbon disulfide	**0.037**	**J**	0.50	0.028	ppb v/v			10/09/17 22:45	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			10/09/17 22:45	1
Methylene Chloride	**0.097**	**J**	0.50	0.068	ppb v/v			10/09/17 22:45	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			10/09/17 22:45	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			10/09/17 22:45	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			10/09/17 22:45	1
n-Hexane	ND		0.20	0.046	ppb v/v			10/09/17 22:45	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 22:45	1
Methyl Ethyl Ketone	**1.9**		0.50	0.11	ppb v/v			10/09/17 22:45	1

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: OD2
Date Collected: 10/04/17 18:25
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.20	0.029	ppb v/v			10/09/17 22:45	1
1,2-Dichloroethene, Total	ND		0.40	0.029	ppb v/v			10/09/17 22:45	1
Chloroform	ND		0.20	0.025	ppb v/v			10/09/17 22:45	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			10/09/17 22:45	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			10/09/17 22:45	1
Cyclohexane	ND		0.20	0.045	ppb v/v			10/09/17 22:45	1
Carbon tetrachloride	**0.064**	**J**	0.20	0.011	ppb v/v			10/09/17 22:45	1
2,2,4-Trimethylpentane	ND		0.20	0.043	ppb v/v			10/09/17 22:45	1
Benzene	**0.087**	**J**	0.20	0.028	ppb v/v			10/09/17 22:45	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			10/09/17 22:45	1
n-Heptane	ND		0.20	0.068	ppb v/v			10/09/17 22:45	1
Trichloroethene	ND		0.20	0.0091	ppb v/v			10/09/17 22:45	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			10/09/17 22:45	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			10/09/17 22:45	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			10/09/17 22:45	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			10/09/17 22:45	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			10/09/17 22:45	1
methyl isobutyl ketone	**0.077**	**J**	0.50	0.065	ppb v/v			10/09/17 22:45	1
Toluene	**0.14**	**J**	0.20	0.035	ppb v/v			10/09/17 22:45	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			10/09/17 22:45	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 22:45	1
Tetrachloroethene	**0.017**	**J**	0.20	0.0098	ppb v/v			10/09/17 22:45	1
Methyl Butyl Ketone (2-Hexanone)	**0.31**	**J**	0.50	0.086	ppb v/v			10/09/17 22:45	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			10/09/17 22:45	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			10/09/17 22:45	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			10/09/17 22:45	1
Ethylbenzene	ND		0.20	0.034	ppb v/v			10/09/17 22:45	1
m,p-Xylene	**0.093**	**J**	0.50	0.077	ppb v/v			10/09/17 22:45	1
Xylene, o-	ND		0.20	0.040	ppb v/v			10/09/17 22:45	1
Xylene (total)	**0.093**	**J**	0.70	0.040	ppb v/v			10/09/17 22:45	1
Styrene	ND		0.20	0.035	ppb v/v			10/09/17 22:45	1
Bromoform	ND		0.20	0.035	ppb v/v			10/09/17 22:45	1
Cumene	ND		0.20	0.039	ppb v/v			10/09/17 22:45	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			10/09/17 22:45	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 22:45	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			10/09/17 22:45	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 22:45	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			10/09/17 22:45	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 22:45	1
1,2,4-Trimethylbenzene	ND		0.20	0.057	ppb v/v			10/09/17 22:45	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 22:45	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			10/09/17 22:45	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			10/09/17 22:45	1
1,4-Dichlorobenzene	ND		0.20	0.063	ppb v/v			10/09/17 22:45	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			10/09/17 22:45	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			10/09/17 22:45	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			10/09/17 22:45	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			10/09/17 22:45	1

Client Sample ID: OD2
Lab Sample ID: 200-40374-7
Date Collected: 10/04/17 18:25
Matrix: Air
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			10/09/17 22:45	1
Naphthalene	ND		0.50	0.10	ppb v/v			10/09/17 22:45	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.3**	**J**	2.5	0.23	ug/m3			10/09/17 22:45	1
Freon 22	**0.97**	**J**	1.8	0.71	ug/m3			10/09/17 22:45	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			10/09/17 22:45	1
Chloromethane	**1.1**		1.0	0.33	ug/m3			10/09/17 22:45	1
n-Butane	**1.4**		1.2	0.11	ug/m3			10/09/17 22:45	1
Vinyl chloride	ND		0.51	0.046	ug/m3			10/09/17 22:45	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			10/09/17 22:45	1
Bromomethane	ND		0.78	0.14	ug/m3			10/09/17 22:45	1
Chloroethane	ND		1.3	0.34	ug/m3			10/09/17 22:45	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			10/09/17 22:45	1
Trichlorofluoromethane	**1.3**		1.1	0.17	ug/m3			10/09/17 22:45	1
Freon TF	**0.56**	**J**	1.5	0.21	ug/m3			10/09/17 22:45	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			10/09/17 22:45	1
Acetone	**26**		12	3.1	ug/m3			10/09/17 22:45	1
Isopropyl alcohol	**0.94**	**J**	12	0.32	ug/m3			10/09/17 22:45	1
Carbon disulfide	**0.11**	**J**	1.6	0.087	ug/m3			10/09/17 22:45	1
3-Chloropropene	ND		1.6	0.20	ug/m3			10/09/17 22:45	1
Methylene Chloride	**0.34**	**J**	1.7	0.24	ug/m3			10/09/17 22:45	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			10/09/17 22:45	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			10/09/17 22:45	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			10/09/17 22:45	1
n-Hexane	ND		0.70	0.16	ug/m3			10/09/17 22:45	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			10/09/17 22:45	1
Methyl Ethyl Ketone	**5.7**		1.5	0.32	ug/m3			10/09/17 22:45	1
cis-1,2-Dichloroethene	ND		0.79	0.11	ug/m3			10/09/17 22:45	1
1,2-Dichloroethene, Total	ND		1.6	0.11	ug/m3			10/09/17 22:45	1
Chloroform	ND		0.98	0.12	ug/m3			10/09/17 22:45	1
Tetrahydrofuran	ND		15	3.5	ug/m3			10/09/17 22:45	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			10/09/17 22:45	1
Cyclohexane	ND		0.69	0.15	ug/m3			10/09/17 22:45	1
Carbon tetrachloride	**0.40**	**J**	1.3	0.069	ug/m3			10/09/17 22:45	1
2,2,4-Trimethylpentane	ND		0.93	0.20	ug/m3			10/09/17 22:45	1
Benzene	**0.28**	**J**	0.64	0.089	ug/m3			10/09/17 22:45	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			10/09/17 22:45	1
n-Heptane	ND		0.82	0.28	ug/m3			10/09/17 22:45	1
Trichloroethene	ND		1.1	0.049	ug/m3			10/09/17 22:45	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			10/09/17 22:45	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			10/09/17 22:45	1
1,4-Dioxane	ND		18	2.7	ug/m3			10/09/17 22:45	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			10/09/17 22:45	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			10/09/17 22:45	1
methyl isobutyl ketone	**0.32**	**J**	2.0	0.27	ug/m3			10/09/17 22:45	1
Toluene	**0.54**	**J**	0.75	0.13	ug/m3			10/09/17 22:45	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			10/09/17 22:45	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			10/09/17 22:45	1

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: OD2
Date Collected: 10/04/17 18:25
Date Received: 10/06/17 09:35
Sample Container: Summa Canister 6L

Lab Sample ID: 200-40374-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.11**	**J**	1.4	0.066	ug/m3			10/09/17 22:45	1
Methyl Butyl Ketone (2-Hexanone)	**1.3**	**J**	2.0	0.35	ug/m3			10/09/17 22:45	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			10/09/17 22:45	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			10/09/17 22:45	1
Chlorobenzene	ND		0.92	0.12	ug/m3			10/09/17 22:45	1
Ethylbenzene	ND		0.87	0.15	ug/m3			10/09/17 22:45	1
m,p-Xylene	**0.41**	**J**	2.2	0.33	ug/m3			10/09/17 22:45	1
Xylene, o-	ND		0.87	0.17	ug/m3			10/09/17 22:45	1
Xylene (total)	**0.40**	**J**	3.0	0.17	ug/m3			10/09/17 22:45	1
Styrene	ND		0.85	0.15	ug/m3			10/09/17 22:45	1
Bromoform	ND		2.1	0.36	ug/m3			10/09/17 22:45	1
Cumene	ND		0.98	0.19	ug/m3			10/09/17 22:45	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			10/09/17 22:45	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			10/09/17 22:45	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			10/09/17 22:45	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			10/09/17 22:45	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			10/09/17 22:45	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 22:45	1
1,2,4-Trimethylbenzene	ND		0.98	0.28	ug/m3			10/09/17 22:45	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 22:45	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			10/09/17 22:45	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			10/09/17 22:45	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			10/09/17 22:45	1
Benzyl chloride	ND		1.0	0.35	ug/m3			10/09/17 22:45	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			10/09/17 22:45	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			10/09/17 22:45	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			10/09/17 22:45	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			10/09/17 22:45	1
Naphthalene	ND		2.6	0.52	ug/m3			10/09/17 22:45	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-121899/4
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.047	ppb v/v			10/09/17 13:30	1
Freon 22	ND		0.50	0.20	ppb v/v			10/09/17 13:30	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			10/09/17 13:30	1
Chloromethane	ND		0.50	0.16	ppb v/v			10/09/17 13:30	1
n-Butane	ND		0.50	0.046	ppb v/v			10/09/17 13:30	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			10/09/17 13:30	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			10/09/17 13:30	1
Bromomethane	ND		0.20	0.036	ppb v/v			10/09/17 13:30	1
Chloroethane	ND		0.50	0.13	ppb v/v			10/09/17 13:30	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			10/09/17 13:30	1
Trichlorofluoromethane	ND		0.20	0.031	ppb v/v			10/09/17 13:30	1
Freon TF	ND		0.20	0.027	ppb v/v			10/09/17 13:30	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			10/09/17 13:30	1
Acetone	ND		5.0	1.3	ppb v/v			10/09/17 13:30	1
Isopropyl alcohol	ND		5.0	0.13	ppb v/v			10/09/17 13:30	1
Carbon disulfide	ND		0.50	0.028	ppb v/v			10/09/17 13:30	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			10/09/17 13:30	1
Methylene Chloride	ND		0.50	0.068	ppb v/v			10/09/17 13:30	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			10/09/17 13:30	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			10/09/17 13:30	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			10/09/17 13:30	1
n-Hexane	ND		0.20	0.046	ppb v/v			10/09/17 13:30	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 13:30	1
Methyl Ethyl Ketone	ND		0.50	0.11	ppb v/v			10/09/17 13:30	1
cis-1,2-Dichloroethene	ND		0.20	0.029	ppb v/v			10/09/17 13:30	1
1,2-Dichloroethene, Total	ND		0.40	0.029	ppb v/v			10/09/17 13:30	1
Chloroform	ND		0.20	0.025	ppb v/v			10/09/17 13:30	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			10/09/17 13:30	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			10/09/17 13:30	1
Cyclohexane	ND		0.20	0.045	ppb v/v			10/09/17 13:30	1
Carbon tetrachloride	ND		0.20	0.011	ppb v/v			10/09/17 13:30	1
2,2,4-Trimethylpentane	ND		0.20	0.043	ppb v/v			10/09/17 13:30	1
Benzene	ND		0.20	0.028	ppb v/v			10/09/17 13:30	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			10/09/17 13:30	1
n-Heptane	ND		0.20	0.068	ppb v/v			10/09/17 13:30	1
Trichloroethene	ND		0.20	0.0091	ppb v/v			10/09/17 13:30	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			10/09/17 13:30	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			10/09/17 13:30	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			10/09/17 13:30	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			10/09/17 13:30	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			10/09/17 13:30	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			10/09/17 13:30	1
Toluene	ND		0.20	0.035	ppb v/v			10/09/17 13:30	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			10/09/17 13:30	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			10/09/17 13:30	1
Tetrachloroethene	ND		0.20	0.0098	ppb v/v			10/09/17 13:30	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			10/09/17 13:30	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			10/09/17 13:30	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-121899/4
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			10/09/17 13:30	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			10/09/17 13:30	1
Ethylbenzene	ND		0.20	0.034	ppb v/v			10/09/17 13:30	1
m,p-Xylene	ND		0.50	0.077	ppb v/v			10/09/17 13:30	1
Xylene, o-	ND		0.20	0.040	ppb v/v			10/09/17 13:30	1
Xylene (total)	ND		0.70	0.040	ppb v/v			10/09/17 13:30	1
Styrene	ND		0.20	0.035	ppb v/v			10/09/17 13:30	1
Bromoform	ND		0.20	0.035	ppb v/v			10/09/17 13:30	1
Cumene	ND		0.20	0.039	ppb v/v			10/09/17 13:30	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			10/09/17 13:30	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 13:30	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			10/09/17 13:30	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			10/09/17 13:30	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			10/09/17 13:30	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 13:30	1
1,2,4-Trimethylbenzene	ND		0.20	0.057	ppb v/v			10/09/17 13:30	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			10/09/17 13:30	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			10/09/17 13:30	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			10/09/17 13:30	1
1,4-Dichlorobenzene	ND		0.20	0.063	ppb v/v			10/09/17 13:30	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			10/09/17 13:30	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			10/09/17 13:30	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			10/09/17 13:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			10/09/17 13:30	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			10/09/17 13:30	1
Naphthalene	ND		0.50	0.10	ppb v/v			10/09/17 13:30	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.23	ug/m3			10/09/17 13:30	1
Freon 22	ND		1.8	0.71	ug/m3			10/09/17 13:30	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			10/09/17 13:30	1
Chloromethane	ND		1.0	0.33	ug/m3			10/09/17 13:30	1
n-Butane	ND		1.2	0.11	ug/m3			10/09/17 13:30	1
Vinyl chloride	ND		0.51	0.046	ug/m3			10/09/17 13:30	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			10/09/17 13:30	1
Bromomethane	ND		0.78	0.14	ug/m3			10/09/17 13:30	1
Chloroethane	ND		1.3	0.34	ug/m3			10/09/17 13:30	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			10/09/17 13:30	1
Trichlorofluoromethane	ND		1.1	0.17	ug/m3			10/09/17 13:30	1
Freon TF	ND		1.5	0.21	ug/m3			10/09/17 13:30	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			10/09/17 13:30	1
Acetone	ND		12	3.1	ug/m3			10/09/17 13:30	1
Isopropyl alcohol	ND		12	0.32	ug/m3			10/09/17 13:30	1
Carbon disulfide	ND		1.6	0.087	ug/m3			10/09/17 13:30	1
3-Chloropropene	ND		1.6	0.20	ug/m3			10/09/17 13:30	1
Methylene Chloride	ND		1.7	0.24	ug/m3			10/09/17 13:30	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			10/09/17 13:30	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			10/09/17 13:30	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-121899/4
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			10/09/17 13:30	1
n-Hexane	ND		0.70	0.16	ug/m3			10/09/17 13:30	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			10/09/17 13:30	1
Methyl Ethyl Ketone	ND		1.5	0.32	ug/m3			10/09/17 13:30	1
cis-1,2-Dichloroethene	ND		0.79	0.11	ug/m3			10/09/17 13:30	1
1,2-Dichloroethene, Total	ND		1.6	0.11	ug/m3			10/09/17 13:30	1
Chloroform	ND		0.98	0.12	ug/m3			10/09/17 13:30	1
Tetrahydrofuran	ND		15	3.5	ug/m3			10/09/17 13:30	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			10/09/17 13:30	1
Cyclohexane	ND		0.69	0.15	ug/m3			10/09/17 13:30	1
Carbon tetrachloride	ND		1.3	0.069	ug/m3			10/09/17 13:30	1
2,2,4-Trimethylpentane	ND		0.93	0.20	ug/m3			10/09/17 13:30	1
Benzene	ND		0.64	0.089	ug/m3			10/09/17 13:30	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			10/09/17 13:30	1
n-Heptane	ND		0.82	0.28	ug/m3			10/09/17 13:30	1
Trichloroethene	ND		1.1	0.049	ug/m3			10/09/17 13:30	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			10/09/17 13:30	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			10/09/17 13:30	1
1,4-Dioxane	ND		18	2.7	ug/m3			10/09/17 13:30	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			10/09/17 13:30	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			10/09/17 13:30	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			10/09/17 13:30	1
Toluene	ND		0.75	0.13	ug/m3			10/09/17 13:30	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			10/09/17 13:30	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			10/09/17 13:30	1
Tetrachloroethene	ND		1.4	0.066	ug/m3			10/09/17 13:30	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			10/09/17 13:30	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			10/09/17 13:30	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			10/09/17 13:30	1
Chlorobenzene	ND		0.92	0.12	ug/m3			10/09/17 13:30	1
Ethylbenzene	ND		0.87	0.15	ug/m3			10/09/17 13:30	1
m,p-Xylene	ND		2.2	0.33	ug/m3			10/09/17 13:30	1
Xylene, o-	ND		0.87	0.17	ug/m3			10/09/17 13:30	1
Xylene (total)	ND		3.0	0.17	ug/m3			10/09/17 13:30	1
Styrene	ND		0.85	0.15	ug/m3			10/09/17 13:30	1
Bromoform	ND		2.1	0.36	ug/m3			10/09/17 13:30	1
Cumene	ND		0.98	0.19	ug/m3			10/09/17 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			10/09/17 13:30	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			10/09/17 13:30	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			10/09/17 13:30	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			10/09/17 13:30	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			10/09/17 13:30	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 13:30	1
1,2,4-Trimethylbenzene	ND		0.98	0.28	ug/m3			10/09/17 13:30	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			10/09/17 13:30	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			10/09/17 13:30	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			10/09/17 13:30	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			10/09/17 13:30	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-121899/4
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	ND		1.0	0.35	ug/m3			10/09/17 13:30	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			10/09/17 13:30	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			10/09/17 13:30	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			10/09/17 13:30	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			10/09/17 13:30	1
Naphthalene	ND		2.6	0.52	ug/m3			10/09/17 13:30	1

Lab Sample ID: LCS 200-121899/3
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	10.3		ppb v/v		103	68 - 128
Freon 22	10.0	9.91		ppb v/v		99	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	10.0		ppb v/v		100	78 - 138
Chloromethane	10.0	9.44		ppb v/v		94	57 - 126
n-Butane	10.0	9.49		ppb v/v		95	56 - 130
Vinyl chloride	10.0	9.44		ppb v/v		94	62 - 125
1,3-Butadiene	10.0	9.53		ppb v/v		95	59 - 125
Bromomethane	10.0	10.3		ppb v/v		103	68 - 128
Chloroethane	10.0	10.0		ppb v/v		100	65 - 125
Bromoethene(Vinyl Bromide)	10.0	10.4		ppb v/v		104	67 - 127
Trichlorofluoromethane	10.0	10.6		ppb v/v		106	67 - 127
Freon TF	10.0	10.0		ppb v/v		100	68 - 128
1,1-Dichloroethene	10.0	9.46		ppb v/v		95	67 - 127
Acetone	10.0	9.82		ppb v/v		98	64 - 136
Isopropyl alcohol	10.0	8.55		ppb v/v		86	55 - 124
Carbon disulfide	10.0	9.53		ppb v/v		95	81 - 141
3-Chloropropene	10.0	10.3		ppb v/v		103	53 - 133
Methylene Chloride	10.0	9.36		ppb v/v		94	62 - 122
tert-Butyl alcohol	10.0	9.00		ppb v/v		90	64 - 124
Methyl tert-butyl ether	10.0	9.03		ppb v/v		90	67 - 127
trans-1,2-Dichloroethene	10.0	9.31		ppb v/v		93	72 - 132
n-Hexane	10.0	9.02		ppb v/v		90	71 - 131
1,1-Dichloroethane	10.0	9.26		ppb v/v		93	66 - 126
Methyl Ethyl Ketone	10.0	8.94		ppb v/v		89	62 - 122
cis-1,2-Dichloroethene	10.0	9.51		ppb v/v		95	67 - 127
Chloroform	10.0	9.67		ppb v/v		97	69 - 129
Tetrahydrofuran	10.0	8.45		ppb v/v		85	61 - 136
1,1,1-Trichloroethane	10.0	9.45		ppb v/v		95	70 - 130
Cyclohexane	10.0	8.96		ppb v/v		90	69 - 129
Carbon tetrachloride	10.0	10.1		ppb v/v		101	62 - 143
2,2,4-Trimethylpentane	10.0	8.58		ppb v/v		86	67 - 127
Benzene	10.0	8.92		ppb v/v		89	67 - 127
1,2-Dichloroethane	10.0	9.39		ppb v/v		94	67 - 132
n-Heptane	10.0	8.39		ppb v/v		84	62 - 130
Trichloroethene	10.0	8.89		ppb v/v		89	68 - 128
Methyl methacrylate	10.0	8.74		ppb v/v		87	70 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-121899/3
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	10.0	9.04		ppb v/v		90	67 - 127
1,4-Dioxane	10.0	8.59		ppb v/v		86	66 - 132
Bromodichloromethane	10.0	9.71		ppb v/v		97	69 - 129
cis-1,3-Dichloropropene	10.0	9.44		ppb v/v		94	70 - 130
methyl isobutyl ketone	10.0	8.43		ppb v/v		84	62 - 130
Toluene	10.0	9.03		ppb v/v		90	67 - 127
trans-1,3-Dichloropropene	10.0	9.20		ppb v/v		92	69 - 129
1,1,2-Trichloroethane	10.0	9.44		ppb v/v		94	69 - 129
Tetrachloroethene	10.0	9.88		ppb v/v		99	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	8.12		ppb v/v		81	61 - 127
Dibromochloromethane	10.0	10.6		ppb v/v		106	66 - 130
1,2-Dibromoethane	10.0	9.83		ppb v/v		98	70 - 130
Chlorobenzene	10.0	9.65		ppb v/v		97	68 - 128
Ethylbenzene	10.0	9.14		ppb v/v		91	68 - 128
m,p-Xylene	20.0	18.1		ppb v/v		91	68 - 128
Xylene, o-	10.0	9.15		ppb v/v		92	67 - 127
Styrene	10.0	9.28		ppb v/v		93	68 - 128
Bromoform	10.0	12.6		ppb v/v		126	34 - 170
Cumene	10.0	9.26		ppb v/v		93	67 - 127
1,1,2,2-Tetrachloroethane	10.0	9.23		ppb v/v		92	69 - 129
n-Propylbenzene	10.0	9.31		ppb v/v		93	67 - 127
4-Ethyltoluene	10.0	9.60		ppb v/v		96	69 - 129
1,3,5-Trimethylbenzene	10.0	9.48		ppb v/v		95	65 - 125
2-Chlorotoluene	10.0	9.35		ppb v/v		93	67 - 127
tert-Butylbenzene	10.0	9.51		ppb v/v		95	63 - 125
1,2,4-Trimethylbenzene	10.0	9.62		ppb v/v		96	65 - 125
sec-Butylbenzene	10.0	9.58		ppb v/v		96	66 - 126
4-Isopropyltoluene	10.0	9.99		ppb v/v		100	67 - 129
1,3-Dichlorobenzene	10.0	10.1		ppb v/v		101	67 - 127
1,4-Dichlorobenzene	10.0	10.0		ppb v/v		100	66 - 126
Benzyl chloride	10.0	10.6		ppb v/v		106	54 - 135
n-Butylbenzene	10.0	10.1		ppb v/v		101	67 - 127
1,2-Dichlorobenzene	10.0	10.1		ppb v/v		101	67 - 127
1,2,4-Trichlorobenzene	10.0	8.98		ppb v/v		90	59 - 126
Hexachlorobutadiene	10.0	9.85		ppb v/v		99	62 - 130
Naphthalene	10.0	8.36		ppb v/v		84	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	51.1		ug/m3		103	68 - 128
Freon 22	35	35.1		ug/m3		99	64 - 128
1,2-Dichlorotetrafluoroethane	70	69.9		ug/m3		100	78 - 138
Chloromethane	21	19.5		ug/m3		94	57 - 126
n-Butane	24	22.5		ug/m3		95	56 - 130
Vinyl chloride	26	24.1		ug/m3		94	62 - 125
1,3-Butadiene	22	21.1		ug/m3		95	59 - 125
Bromomethane	39	39.9		ug/m3		103	68 - 128
Chloroethane	26	26.4		ug/m3		100	65 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-121899/3
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoethene(Vinyl Bromide)	44	45.4		ug/m3		104	67 - 127
Trichlorofluoromethane	56	59.7		ug/m3		106	67 - 127
Freon TF	77	76.7		ug/m3		100	68 - 128
1,1-Dichloroethene	40	37.5		ug/m3		95	67 - 127
Acetone	24	23.3		ug/m3		98	64 - 136
Isopropyl alcohol	25	21.0		ug/m3		86	55 - 124
Carbon disulfide	31	29.7		ug/m3		95	81 - 141
3-Chloropropene	31	32.1		ug/m3		103	53 - 133
Methylene Chloride	35	32.5		ug/m3		94	62 - 122
tert-Butyl alcohol	30	27.3		ug/m3		90	64 - 124
Methyl tert-butyl ether	36	32.5		ug/m3		90	67 - 127
trans-1,2-Dichloroethene	40	36.9		ug/m3		93	72 - 132
n-Hexane	35	31.8		ug/m3		90	71 - 131
1,1-Dichloroethane	40	37.5		ug/m3		93	66 - 126
Methyl Ethyl Ketone	29	26.4		ug/m3		89	62 - 122
cis-1,2-Dichloroethene	40	37.7		ug/m3		95	67 - 127
Chloroform	49	47.2		ug/m3		97	69 - 129
Tetrahydrofuran	29	24.9		ug/m3		85	61 - 136
1,1,1-Trichloroethane	55	51.6		ug/m3		95	70 - 130
Cyclohexane	34	30.8		ug/m3		90	69 - 129
Carbon tetrachloride	63	63.7		ug/m3		101	62 - 143
2,2,4-Trimethylpentane	47	40.1		ug/m3		86	67 - 127
Benzene	32	28.5		ug/m3		89	67 - 127
1,2-Dichloroethane	40	38.0		ug/m3		94	67 - 132
n-Heptane	41	34.4		ug/m3		84	62 - 130
Trichloroethene	54	47.8		ug/m3		89	68 - 128
Methyl methacrylate	41	35.8		ug/m3		87	70 - 130
1,2-Dichloropropane	46	41.8		ug/m3		90	67 - 127
1,4-Dioxane	36	31.0		ug/m3		86	66 - 132
Bromodichloromethane	67	65.1		ug/m3		97	69 - 129
cis-1,3-Dichloropropene	45	42.8		ug/m3		94	70 - 130
methyl isobutyl ketone	41	34.5		ug/m3		84	62 - 130
Toluene	38	34.0		ug/m3		90	67 - 127
trans-1,3-Dichloropropene	45	41.8		ug/m3		92	69 - 129
1,1,2-Trichloroethane	55	51.5		ug/m3		94	69 - 129
Tetrachloroethene	68	67.0		ug/m3		99	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	33.3		ug/m3		81	61 - 127
Dibromochloromethane	85	90.7		ug/m3		106	66 - 130
1,2-Dibromoethane	77	75.5		ug/m3		98	70 - 130
Chlorobenzene	46	44.4		ug/m3		97	68 - 128
Ethylbenzene	43	39.7		ug/m3		91	68 - 128
m,p-Xylene	87	78.6		ug/m3		91	68 - 128
Xylene, o-	43	39.7		ug/m3		92	67 - 127
Styrene	43	39.5		ug/m3		93	68 - 128
Bromoform	100	130		ug/m3		126	34 - 170
Cumene	49	45.5		ug/m3		93	67 - 127
1,1,2,2-Tetrachloroethane	69	63.4		ug/m3		92	69 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-121899/3
Matrix: Air
Analysis Batch: 121899

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Propylbenzene	49	45.8		ug/m3		93	67 - 127
4-Ethyltoluene	49	47.2		ug/m3		96	69 - 129
1,3,5-Trimethylbenzene	49	46.6		ug/m3		95	65 - 125
2-Chlorotoluene	52	48.4		ug/m3		93	67 - 127
tert-Butylbenzene	55	52.2		ug/m3		95	63 - 125
1,2,4-Trimethylbenzene	49	47.3		ug/m3		96	65 - 125
sec-Butylbenzene	55	52.6		ug/m3		96	66 - 126
4-Isopropyltoluene	55	54.8		ug/m3		100	67 - 129
1,3-Dichlorobenzene	60	60.5		ug/m3		101	67 - 127
1,4-Dichlorobenzene	60	60.4		ug/m3		100	66 - 126
Benzyl chloride	52	55.1		ug/m3		106	54 - 135
n-Butylbenzene	55	55.4		ug/m3		101	67 - 127
1,2-Dichlorobenzene	60	60.7		ug/m3		101	67 - 127
1,2,4-Trichlorobenzene	74	66.6		ug/m3		90	59 - 126
Hexachlorobutadiene	110	105		ug/m3		99	62 - 130
Naphthalene	52	43.8		ug/m3		84	50 - 121

Lab Sample ID: MB 200-121954/5
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.047	ppb v/v			10/10/17 14:13	1
Freon 22	ND		0.50	0.20	ppb v/v			10/10/17 14:13	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.041	ppb v/v			10/10/17 14:13	1
Chloromethane	ND		0.50	0.16	ppb v/v			10/10/17 14:13	1
n-Butane	ND		0.50	0.046	ppb v/v			10/10/17 14:13	1
Vinyl chloride	ND		0.20	0.018	ppb v/v			10/10/17 14:13	1
1,3-Butadiene	ND		0.20	0.037	ppb v/v			10/10/17 14:13	1
Bromomethane	ND		0.20	0.036	ppb v/v			10/10/17 14:13	1
Chloroethane	ND		0.50	0.13	ppb v/v			10/10/17 14:13	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.022	ppb v/v			10/10/17 14:13	1
Trichlorofluoromethane	ND		0.20	0.031	ppb v/v			10/10/17 14:13	1
Freon TF	ND		0.20	0.027	ppb v/v			10/10/17 14:13	1
1,1-Dichloroethene	ND		0.20	0.035	ppb v/v			10/10/17 14:13	1
Acetone	ND		5.0	1.3	ppb v/v			10/10/17 14:13	1
Isopropyl alcohol	ND		5.0	0.13	ppb v/v			10/10/17 14:13	1
Carbon disulfide	ND		0.50	0.028	ppb v/v			10/10/17 14:13	1
3-Chloropropene	ND		0.50	0.063	ppb v/v			10/10/17 14:13	1
Methylene Chloride	ND		0.50	0.068	ppb v/v			10/10/17 14:13	1
tert-Butyl alcohol	ND		5.0	1.7	ppb v/v			10/10/17 14:13	1
Methyl tert-butyl ether	ND		0.20	0.041	ppb v/v			10/10/17 14:13	1
trans-1,2-Dichloroethene	ND		0.20	0.050	ppb v/v			10/10/17 14:13	1
n-Hexane	ND		0.20	0.046	ppb v/v			10/10/17 14:13	1
1,1-Dichloroethane	ND		0.20	0.017	ppb v/v			10/10/17 14:13	1
Methyl Ethyl Ketone	ND		0.50	0.11	ppb v/v			10/10/17 14:13	1
cis-1,2-Dichloroethene	ND		0.20	0.029	ppb v/v			10/10/17 14:13	1
1,2-Dichloroethene, Total	ND		0.40	0.029	ppb v/v			10/10/17 14:13	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-121954/5
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.20	0.025	ppb v/v			10/10/17 14:13	1
Tetrahydrofuran	ND		5.0	1.2	ppb v/v			10/10/17 14:13	1
1,1,1-Trichloroethane	ND		0.20	0.026	ppb v/v			10/10/17 14:13	1
Cyclohexane	ND		0.20	0.045	ppb v/v			10/10/17 14:13	1
Carbon tetrachloride	ND		0.20	0.011	ppb v/v			10/10/17 14:13	1
2,2,4-Trimethylpentane	ND		0.20	0.043	ppb v/v			10/10/17 14:13	1
Benzene	ND		0.20	0.028	ppb v/v			10/10/17 14:13	1
1,2-Dichloroethane	ND		0.20	0.034	ppb v/v			10/10/17 14:13	1
n-Heptane	ND		0.20	0.068	ppb v/v			10/10/17 14:13	1
Trichloroethene	ND		0.20	0.0091	ppb v/v			10/10/17 14:13	1
Methyl methacrylate	ND		0.50	0.11	ppb v/v			10/10/17 14:13	1
1,2-Dichloropropane	ND		0.20	0.035	ppb v/v			10/10/17 14:13	1
1,4-Dioxane	ND		5.0	0.76	ppb v/v			10/10/17 14:13	1
Bromodichloromethane	ND		0.20	0.059	ppb v/v			10/10/17 14:13	1
cis-1,3-Dichloropropene	ND		0.20	0.036	ppb v/v			10/10/17 14:13	1
methyl isobutyl ketone	ND		0.50	0.065	ppb v/v			10/10/17 14:13	1
Toluene	ND		0.20	0.035	ppb v/v			10/10/17 14:13	1
trans-1,3-Dichloropropene	ND		0.20	0.038	ppb v/v			10/10/17 14:13	1
1,1,2-Trichloroethane	ND		0.20	0.017	ppb v/v			10/10/17 14:13	1
Tetrachloroethene	ND		0.20	0.0098	ppb v/v			10/10/17 14:13	1
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.086	ppb v/v			10/10/17 14:13	1
Dibromochloromethane	ND		0.20	0.017	ppb v/v			10/10/17 14:13	1
1,2-Dibromoethane	ND		0.20	0.023	ppb v/v			10/10/17 14:13	1
Chlorobenzene	ND		0.20	0.025	ppb v/v			10/10/17 14:13	1
Ethylbenzene	ND		0.20	0.034	ppb v/v			10/10/17 14:13	1
m,p-Xylene	ND		0.50	0.077	ppb v/v			10/10/17 14:13	1
Xylene, o-	ND		0.20	0.040	ppb v/v			10/10/17 14:13	1
Xylene (total)	ND		0.70	0.040	ppb v/v			10/10/17 14:13	1
Styrene	ND		0.20	0.035	ppb v/v			10/10/17 14:13	1
Bromoform	ND		0.20	0.035	ppb v/v			10/10/17 14:13	1
Cumene	ND		0.20	0.039	ppb v/v			10/10/17 14:13	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.026	ppb v/v			10/10/17 14:13	1
n-Propylbenzene	ND		0.20	0.040	ppb v/v			10/10/17 14:13	1
4-Ethyltoluene	ND		0.20	0.040	ppb v/v			10/10/17 14:13	1
1,3,5-Trimethylbenzene	ND		0.20	0.040	ppb v/v			10/10/17 14:13	1
2-Chlorotoluene	ND		0.20	0.035	ppb v/v			10/10/17 14:13	1
tert-Butylbenzene	ND		0.20	0.037	ppb v/v			10/10/17 14:13	1
1,2,4-Trimethylbenzene	ND		0.20	0.057	ppb v/v			10/10/17 14:13	1
sec-Butylbenzene	ND		0.20	0.037	ppb v/v			10/10/17 14:13	1
4-Isopropyltoluene	ND		0.20	0.052	ppb v/v			10/10/17 14:13	1
1,3-Dichlorobenzene	ND		0.20	0.050	ppb v/v			10/10/17 14:13	1
1,4-Dichlorobenzene	ND		0.20	0.063	ppb v/v			10/10/17 14:13	1
Benzyl chloride	ND		0.20	0.067	ppb v/v			10/10/17 14:13	1
n-Butylbenzene	ND		0.20	0.068	ppb v/v			10/10/17 14:13	1
1,2-Dichlorobenzene	ND		0.20	0.045	ppb v/v			10/10/17 14:13	1
1,2,4-Trichlorobenzene	ND		0.50	0.19	ppb v/v			10/10/17 14:13	1
Hexachlorobutadiene	ND		0.20	0.064	ppb v/v			10/10/17 14:13	1
Naphthalene	ND		0.50	0.10	ppb v/v			10/10/17 14:13	1

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.5	0.23	ug/m3			10/10/17 14:13	1
Freon 22	ND		1.8	0.71	ug/m3			10/10/17 14:13	1
1,2-Dichlorotetrafluoroethane	ND		1.4	0.29	ug/m3			10/10/17 14:13	1
Chloromethane	ND		1.0	0.33	ug/m3			10/10/17 14:13	1
n-Butane	ND		1.2	0.11	ug/m3			10/10/17 14:13	1
Vinyl chloride	ND		0.51	0.046	ug/m3			10/10/17 14:13	1
1,3-Butadiene	ND		0.44	0.082	ug/m3			10/10/17 14:13	1
Bromomethane	ND		0.78	0.14	ug/m3			10/10/17 14:13	1
Chloroethane	ND		1.3	0.34	ug/m3			10/10/17 14:13	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.096	ug/m3			10/10/17 14:13	1
Trichlorofluoromethane	ND		1.1	0.17	ug/m3			10/10/17 14:13	1
Freon TF	ND		1.5	0.21	ug/m3			10/10/17 14:13	1
1,1-Dichloroethene	ND		0.79	0.14	ug/m3			10/10/17 14:13	1
Acetone	ND		12	3.1	ug/m3			10/10/17 14:13	1
Isopropyl alcohol	ND		12	0.32	ug/m3			10/10/17 14:13	1
Carbon disulfide	ND		1.6	0.087	ug/m3			10/10/17 14:13	1
3-Chloropropene	ND		1.6	0.20	ug/m3			10/10/17 14:13	1
Methylene Chloride	ND		1.7	0.24	ug/m3			10/10/17 14:13	1
tert-Butyl alcohol	ND		15	5.2	ug/m3			10/10/17 14:13	1
Methyl tert-butyl ether	ND		0.72	0.15	ug/m3			10/10/17 14:13	1
trans-1,2-Dichloroethene	ND		0.79	0.20	ug/m3			10/10/17 14:13	1
n-Hexane	ND		0.70	0.16	ug/m3			10/10/17 14:13	1
1,1-Dichloroethane	ND		0.81	0.069	ug/m3			10/10/17 14:13	1
Methyl Ethyl Ketone	ND		1.5	0.32	ug/m3			10/10/17 14:13	1
cis-1,2-Dichloroethene	ND		0.79	0.11	ug/m3			10/10/17 14:13	1
1,2-Dichloroethene, Total	ND		1.6	0.11	ug/m3			10/10/17 14:13	1
Chloroform	ND		0.98	0.12	ug/m3			10/10/17 14:13	1
Tetrahydrofuran	ND		15	3.5	ug/m3			10/10/17 14:13	1
1,1,1-Trichloroethane	ND		1.1	0.14	ug/m3			10/10/17 14:13	1
Cyclohexane	ND		0.69	0.15	ug/m3			10/10/17 14:13	1
Carbon tetrachloride	ND		1.3	0.069	ug/m3			10/10/17 14:13	1
2,2,4-Trimethylpentane	ND		0.93	0.20	ug/m3			10/10/17 14:13	1
Benzene	ND		0.64	0.089	ug/m3			10/10/17 14:13	1
1,2-Dichloroethane	ND		0.81	0.14	ug/m3			10/10/17 14:13	1
n-Heptane	ND		0.82	0.28	ug/m3			10/10/17 14:13	1
Trichloroethene	ND		1.1	0.049	ug/m3			10/10/17 14:13	1
Methyl methacrylate	ND		2.0	0.45	ug/m3			10/10/17 14:13	1
1,2-Dichloropropane	ND		0.92	0.16	ug/m3			10/10/17 14:13	1
1,4-Dioxane	ND		18	2.7	ug/m3			10/10/17 14:13	1
Bromodichloromethane	ND		1.3	0.40	ug/m3			10/10/17 14:13	1
cis-1,3-Dichloropropene	ND		0.91	0.16	ug/m3			10/10/17 14:13	1
methyl isobutyl ketone	ND		2.0	0.27	ug/m3			10/10/17 14:13	1
Toluene	ND		0.75	0.13	ug/m3			10/10/17 14:13	1
trans-1,3-Dichloropropene	ND		0.91	0.17	ug/m3			10/10/17 14:13	1
1,1,2-Trichloroethane	ND		1.1	0.093	ug/m3			10/10/17 14:13	1
Tetrachloroethene	ND		1.4	0.066	ug/m3			10/10/17 14:13	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	0.35	ug/m3			10/10/17 14:13	1
Dibromochloromethane	ND		1.7	0.14	ug/m3			10/10/17 14:13	1
1,2-Dibromoethane	ND		1.5	0.18	ug/m3			10/10/17 14:13	1
Chlorobenzene	ND		0.92	0.12	ug/m3			10/10/17 14:13	1
Ethylbenzene	ND		0.87	0.15	ug/m3			10/10/17 14:13	1
m,p-Xylene	ND		2.2	0.33	ug/m3			10/10/17 14:13	1
Xylene, o-	ND		0.87	0.17	ug/m3			10/10/17 14:13	1
Xylene (total)	ND		3.0	0.17	ug/m3			10/10/17 14:13	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-121954/5
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.85	0.15	ug/m3			10/10/17 14:13	1
Bromoform	ND		2.1	0.36	ug/m3			10/10/17 14:13	1
Cumene	ND		0.98	0.19	ug/m3			10/10/17 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.18	ug/m3			10/10/17 14:13	1
n-Propylbenzene	ND		0.98	0.20	ug/m3			10/10/17 14:13	1
4-Ethyltoluene	ND		0.98	0.20	ug/m3			10/10/17 14:13	1
1,3,5-Trimethylbenzene	ND		0.98	0.20	ug/m3			10/10/17 14:13	1
2-Chlorotoluene	ND		1.0	0.18	ug/m3			10/10/17 14:13	1
tert-Butylbenzene	ND		1.1	0.20	ug/m3			10/10/17 14:13	1
1,2,4-Trimethylbenzene	ND		0.98	0.28	ug/m3			10/10/17 14:13	1
sec-Butylbenzene	ND		1.1	0.20	ug/m3			10/10/17 14:13	1
4-Isopropyltoluene	ND		1.1	0.29	ug/m3			10/10/17 14:13	1
1,3-Dichlorobenzene	ND		1.2	0.30	ug/m3			10/10/17 14:13	1
1,4-Dichlorobenzene	ND		1.2	0.38	ug/m3			10/10/17 14:13	1
Benzyl chloride	ND		1.0	0.35	ug/m3			10/10/17 14:13	1
n-Butylbenzene	ND		1.1	0.37	ug/m3			10/10/17 14:13	1
1,2-Dichlorobenzene	ND		1.2	0.27	ug/m3			10/10/17 14:13	1
1,2,4-Trichlorobenzene	ND		3.7	1.4	ug/m3			10/10/17 14:13	1
Hexachlorobutadiene	ND		2.1	0.68	ug/m3			10/10/17 14:13	1
Naphthalene	ND		2.6	0.52	ug/m3			10/10/17 14:13	1

Lab Sample ID: LCS 200-121954/3
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	10.6		ppb v/v		106	68 - 128
Freon 22	10.0	10.0		ppb v/v		100	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	11.5		ppb v/v		115	78 - 138
Chloromethane	10.0	9.34		ppb v/v		93	57 - 126
n-Butane	10.0	9.33		ppb v/v		93	56 - 130
Vinyl chloride	10.0	9.50		ppb v/v		95	62 - 125
1,3-Butadiene	10.0	9.21		ppb v/v		92	59 - 125
Bromomethane	10.0	10.4		ppb v/v		104	68 - 128
Chloroethane	10.0	9.66		ppb v/v		97	65 - 125
Bromoethene(Vinyl Bromide)	10.0	10.3		ppb v/v		103	67 - 127
Trichlorofluoromethane	10.0	10.6		ppb v/v		106	67 - 127
Freon TF	10.0	10.4		ppb v/v		104	68 - 128
1,1-Dichloroethene	10.0	9.65		ppb v/v		97	67 - 127
Acetone	10.0	9.46		ppb v/v		95	64 - 136
Isopropyl alcohol	10.0	8.36		ppb v/v		84	55 - 124
Carbon disulfide	10.0	11.4		ppb v/v		114	81 - 141
3-Chloropropene	10.0	7.17		ppb v/v		72	53 - 133
Methylene Chloride	10.0	9.57		ppb v/v		96	62 - 122
tert-Butyl alcohol	10.0	9.20		ppb v/v		92	64 - 124
Methyl tert-butyl ether	10.0	9.16		ppb v/v		92	67 - 127
trans-1,2-Dichloroethene	10.0	10.3		ppb v/v		103	72 - 132
n-Hexane	10.0	9.74		ppb v/v		97	71 - 131

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-121954/3
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	10.0	9.75		ppb v/v		98	66 - 126
Methyl Ethyl Ketone	10.0	9.06		ppb v/v		91	62 - 122
cis-1,2-Dichloroethene	10.0	9.82		ppb v/v		98	67 - 127
Chloroform	10.0	10.1		ppb v/v		101	69 - 129
Tetrahydrofuran	10.0	8.87		ppb v/v		89	61 - 136
1,1,1-Trichloroethane	10.0	10.1		ppb v/v		101	70 - 130
Cyclohexane	10.0	9.48		ppb v/v		95	69 - 129
Carbon tetrachloride	10.0	10.8		ppb v/v		108	62 - 143
2,2,4-Trimethylpentane	10.0	9.05		ppb v/v		91	67 - 127
Benzene	10.0	9.55		ppb v/v		96	67 - 127
1,2-Dichloroethane	10.0	10.0		ppb v/v		100	67 - 132
n-Heptane	10.0	8.84		ppb v/v		88	62 - 130
Trichloroethene	10.0	9.75		ppb v/v		98	68 - 128
Methyl methacrylate	10.0	9.37		ppb v/v		94	70 - 130
1,2-Dichloropropane	10.0	9.12		ppb v/v		91	67 - 127
1,4-Dioxane	10.0	9.37		ppb v/v		94	66 - 132
Bromodichloromethane	10.0	10.0		ppb v/v		100	69 - 129
cis-1,3-Dichloropropene	10.0	9.94		ppb v/v		99	70 - 130
methyl isobutyl ketone	10.0	8.94		ppb v/v		89	62 - 130
Toluene	10.0	9.65		ppb v/v		96	67 - 127
trans-1,3-Dichloropropene	10.0	9.54		ppb v/v		95	69 - 129
1,1,2-Trichloroethane	10.0	10.0		ppb v/v		100	69 - 129
Tetrachloroethene	10.0	10.7		ppb v/v		107	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	8.91		ppb v/v		89	61 - 127
Dibromochloromethane	10.0	10.2		ppb v/v		102	66 - 130
1,2-Dibromoethane	10.0	10.3		ppb v/v		103	70 - 130
Chlorobenzene	10.0	10.1		ppb v/v		101	68 - 128
Ethylbenzene	10.0	9.71		ppb v/v		97	68 - 128
m,p-Xylene	20.0	19.1		ppb v/v		96	68 - 128
Xylene, o-	10.0	9.51		ppb v/v		95	67 - 127
Styrene	10.0	9.92		ppb v/v		99	68 - 128
Bromoform	10.0	9.50		ppb v/v		95	34 - 170
Cumene	10.0	9.62		ppb v/v		96	67 - 127
1,1,2,2-Tetrachloroethane	10.0	9.97		ppb v/v		100	69 - 129
n-Propylbenzene	10.0	9.71		ppb v/v		97	67 - 127
4-Ethyltoluene	10.0	10.3		ppb v/v		103	69 - 129
1,3,5-Trimethylbenzene	10.0	9.89		ppb v/v		99	65 - 125
2-Chlorotoluene	10.0	9.85		ppb v/v		98	67 - 127
tert-Butylbenzene	10.0	9.89		ppb v/v		99	63 - 125
1,2,4-Trimethylbenzene	10.0	10.0		ppb v/v		100	65 - 125
sec-Butylbenzene	10.0	9.93		ppb v/v		99	66 - 126
4-Isopropyltoluene	10.0	10.3		ppb v/v		103	67 - 129
1,3-Dichlorobenzene	10.0	10.8		ppb v/v		108	67 - 127
1,4-Dichlorobenzene	10.0	10.8		ppb v/v		108	66 - 126
Benzyl chloride	10.0	10.3		ppb v/v		103	54 - 135
n-Butylbenzene	10.0	10.6		ppb v/v		106	67 - 127
1,2-Dichlorobenzene	10.0	10.8		ppb v/v		108	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-121954/3
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	10.0	10.5		ppb v/v		105	59 - 126
Hexachlorobutadiene	10.0	10.3		ppb v/v		103	62 - 130
Naphthalene	10.0	9.88		ppb v/v		99	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	52.5		ug/m3		106	68 - 128
Freon 22	35	35.4		ug/m3		100	64 - 128
1,2-Dichlorotetrafluoroethane	70	80.5		ug/m3		115	78 - 138
Chloromethane	21	19.3		ug/m3		93	57 - 126
n-Butane	24	22.2		ug/m3		93	56 - 130
Vinyl chloride	26	24.3		ug/m3		95	62 - 125
1,3-Butadiene	22	20.4		ug/m3		92	59 - 125
Bromomethane	39	40.5		ug/m3		104	68 - 128
Chloroethane	26	25.5		ug/m3		97	65 - 125
Bromoethene(Vinyl Bromide)	44	45.1		ug/m3		103	67 - 127
Trichlorofluoromethane	56	59.4		ug/m3		106	67 - 127
Freon TF	77	79.6		ug/m3		104	68 - 128
1,1-Dichloroethene	40	38.3		ug/m3		97	67 - 127
Acetone	24	22.5		ug/m3		95	64 - 136
Isopropyl alcohol	25	20.5		ug/m3		84	55 - 124
Carbon disulfide	31	35.4		ug/m3		114	81 - 141
3-Chloropropene	31	22.4		ug/m3		72	53 - 133
Methylene Chloride	35	33.2		ug/m3		96	62 - 122
tert-Butyl alcohol	30	27.9		ug/m3		92	64 - 124
Methyl tert-butyl ether	36	33.0		ug/m3		92	67 - 127
trans-1,2-Dichloroethene	40	40.7		ug/m3		103	72 - 132
n-Hexane	35	34.3		ug/m3		97	71 - 131
1,1-Dichloroethane	40	39.5		ug/m3		98	66 - 126
Methyl Ethyl Ketone	29	26.7		ug/m3		91	62 - 122
cis-1,2-Dichloroethene	40	38.9		ug/m3		98	67 - 127
Chloroform	49	49.1		ug/m3		101	69 - 129
Tetrahydrofuran	29	26.2		ug/m3		89	61 - 136
1,1,1-Trichloroethane	55	55.0		ug/m3		101	70 - 130
Cyclohexane	34	32.6		ug/m3		95	69 - 129
Carbon tetrachloride	63	67.9		ug/m3		108	62 - 143
2,2,4-Trimethylpentane	47	42.3		ug/m3		91	67 - 127
Benzene	32	30.5		ug/m3		96	67 - 127
1,2-Dichloroethane	40	40.5		ug/m3		100	67 - 132
n-Heptane	41	36.2		ug/m3		88	62 - 130
Trichloroethene	54	52.4		ug/m3		98	68 - 128
Methyl methacrylate	41	38.4		ug/m3		94	70 - 130
1,2-Dichloropropane	46	42.1		ug/m3		91	67 - 127
1,4-Dioxane	36	33.8		ug/m3		94	66 - 132
Bromodichloromethane	67	67.2		ug/m3		100	69 - 129
cis-1,3-Dichloropropene	45	45.1		ug/m3		99	70 - 130
methyl isobutyl ketone	41	36.6		ug/m3		89	62 - 130
Toluene	38	36.4		ug/m3		96	67 - 127
trans-1,3-Dichloropropene	45	43.3		ug/m3		95	69 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-121954/3
Matrix: Air
Analysis Batch: 121954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	55	54.6		ug/m3		100	69 - 129
Tetrachloroethene	68	72.6		ug/m3		107	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	36.5		ug/m3		89	61 - 127
Dibromochloromethane	85	87.0		ug/m3		102	66 - 130
1,2-Dibromoethane	77	79.5		ug/m3		103	70 - 130
Chlorobenzene	46	46.6		ug/m3		101	68 - 128
Ethylbenzene	43	42.2		ug/m3		97	68 - 128
m,p-Xylene	87	83.1		ug/m3		96	68 - 128
Xylene, o-	43	41.3		ug/m3		95	67 - 127
Styrene	43	42.3		ug/m3		99	68 - 128
Bromoform	100	98.2		ug/m3		95	34 - 170
Cumene	49	47.3		ug/m3		96	67 - 127
1,1,2,2-Tetrachloroethane	69	68.5		ug/m3		100	69 - 129
n-Propylbenzene	49	47.7		ug/m3		97	67 - 127
4-Ethyltoluene	49	50.4		ug/m3		103	69 - 129
1,3,5-Trimethylbenzene	49	48.6		ug/m3		99	65 - 125
2-Chlorotoluene	52	51.0		ug/m3		98	67 - 127
tert-Butylbenzene	55	54.3		ug/m3		99	63 - 125
1,2,4-Trimethylbenzene	49	49.2		ug/m3		100	65 - 125
sec-Butylbenzene	55	54.5		ug/m3		99	66 - 126
4-Isopropyltoluene	55	56.4		ug/m3		103	67 - 129
1,3-Dichlorobenzene	60	65.0		ug/m3		108	67 - 127
1,4-Dichlorobenzene	60	64.7		ug/m3		108	66 - 126
Benzyl chloride	52	53.2		ug/m3		103	54 - 135
n-Butylbenzene	55	58.0		ug/m3		106	67 - 127
1,2-Dichlorobenzene	60	64.7		ug/m3		108	67 - 127
1,2,4-Trichlorobenzene	74	78.0		ug/m3		105	59 - 126
Hexachlorobutadiene	110	110		ug/m3		103	62 - 130
Naphthalene	52	51.8		ug/m3		99	50 - 121

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Air - GC/MS VOA

Analysis Batch: 121899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-40374-2	ID3	Total/NA	Air	TO-15	
200-40374-4	ID4	Total/NA	Air	TO-15	
200-40374-6	ID5	Total/NA	Air	TO-15	
200-40374-7	OD2	Total/NA	Air	TO-15	
MB 200-121899/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-121899/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 121954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-40374-1	SS3	Total/NA	Air	TO-15	
200-40374-3	SS4	Total/NA	Air	TO-15	
200-40374-5	SS5	Total/NA	Air	TO-15	
MB 200-121954/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-121954/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: SS3
Lab Sample ID: 200-40374-1
Date Collected: 10/04/17 18:00
Matrix: Air
Date Received: 10/06/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	121954	10/10/17 15:03	K1P	TAL BUR

Client Sample ID: ID3
Lab Sample ID: 200-40374-2
Date Collected: 10/04/17 18:00
Matrix: Air
Date Received: 10/06/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	121899	10/09/17 18:33	K1P	TAL BUR

Client Sample ID: SS4
Lab Sample ID: 200-40374-3
Date Collected: 10/04/17 18:05
Matrix: Air
Date Received: 10/06/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	121954	10/10/17 16:45	K1P	TAL BUR

Client Sample ID: ID4
Lab Sample ID: 200-40374-4
Date Collected: 10/04/17 18:05
Matrix: Air
Date Received: 10/06/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	121899	10/09/17 20:14	K1P	TAL BUR

Client Sample ID: SS5
Lab Sample ID: 200-40374-5
Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		47.85	121954	10/10/17 17:35	K1P	TAL BUR

Client Sample ID: ID5
Lab Sample ID: 200-40374-6
Date Collected: 10/04/17 18:20
Matrix: Air
Date Received: 10/06/17 09:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	121899	10/09/17 21:55	K1P	TAL BUR

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Client Sample ID: OD2
Date Collected: 10/04/17 18:25
Date Received: 10/06/17 09:35

Lab Sample ID: 200-40374-7
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	121899	10/09/17 22:45	K1P	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Laboratory: TestAmerica Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10391	04-01-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,2-Dichloroethene, Total
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Cumene
TO-15		Air	Freon 22
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

Method Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 200-40374-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-40374-1	SS3	Air	10/04/17 18:00	10/06/17 09:35
200-40374-2	ID3	Air	10/04/17 18:00	10/06/17 09:35
200-40374-3	SS4	Air	10/04/17 18:05	10/06/17 09:35
200-40374-4	ID4	Air	10/04/17 18:05	10/06/17 09:35
200-40374-5	SS5	Air	10/04/17 18:20	10/06/17 09:35
200-40374-6	ID5	Air	10/04/17 18:20	10/06/17 09:35
200-40374-7	OD2	Air	10/04/17 18:25	10/06/17 09:35

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact Information	**Client Project Manager:** Adam Zebrowski	**Samples Collected By:** Shannon Dalton
Company Name: La Bella Associates	**Phone:** 716-710-3043	
Address: 300 Pearl st	**Email:** azebrowski@labellapc.com	
City/State/Zip Buffalo NY	sdalton@labellapc.com	
Phone: 716-710-3043	**Site Contact:**	
FAX:	**Tel/Fax**	
Project Name: 11075 Walden Ave	**Anaylsis Turnaround Time**	
Site/Location: 11075 Walden Ave Alden NY	Standard (Specific): X	
P O #	Rush (Specifiy):	

COC No: 1 of 1 COCs

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:
(See below for Add'l Items)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, 'Hg (Start)'	Canister Vacuum in Field, 'Hg (Stop)'	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SS3	10/4/17	10:00	18:00	-30	-5	5186	3659							X			X					TO-15
ID3	10/4/17	10:00	18:00	-30	-5	5168	3286							X		X						TO-15
SS4	10/4/17	10:05	18:05	-30	-8	4747	3265							X			X					TO-15
ID4	10/4/17	10:05	18:05	-30	-7	5016	5066							X		X						TO-15
SS6	10/4/17	10:20	18:20	-30	-9	5000	5017							X			X					TO-15
ID6	10/4/17	10:20	18:20	-30	-10	2761	4542							X		X						TO-15
OD2	10/4/17	10:25	18:25	-30	-15	3752	5110							X							X	Sample type = Outdoor Air - TO15

Temperature (Fahrenheit)		
	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)		
	Interior	Ambient
Start		
Stop		

200-40374 Chain of Custody

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:**	**Samples Received by:**
Samples Relinquished by: Shannon Dalton	**Date / Time:** 10-4 / 1800	**Received by:** Barbara Deacon TABurl 10/6/17 0935
Relinquished by:	**Date / Time:**	**Received by:**

Lab Use Only: **Shipper Name:** **Opened by:** **Condition:**

Form No. CA-C-WI-003, Rev. 2.5, dated 9/22/2017

10/17/2017

IN ID:DKKA (716) 691-2600
BRONSON
AMERICA
AZELWOOD

RST , NY 14228
ED STATES US

SHIP DATE: 050CT17
ACTWGT: 8.25 LB
CAD: 846654/CAFE3011

BILL RECIPIENT

AMPLE MGT.
A BURLINGTON
0 COMMUNITY DRIVE
UITE 11
OUTH BURLINGTON VT 05403
660-1990
: TA BURLINGTON

FedEx Express

1 of 3
5657 0123 0807
MASTER ##

FRI - 06 OCT 3:00P
STANDARD OVERNIGHT

C BTVA

05403
VT-US BTV

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST , NY 14228
UNITED STATES US

SHIP DATE:
ACTWGT: 16
CAD: 8466

BILL RECIPIE

TO SAMPLE MGT.
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: TA BURLINGTON

FedEx Express

2 of 3
MPS# 0263 5657 0123 0818
Mstr# 5657 0123 0807

FRI - 06 OCT
STANDARD OVEP

NC BTVA

05403
VT-US BTV

Part# 156148V-434 RIT2 EXP 03/18

ORIGIN ID:DKKA (716) 691-2600
CHAR BRONSON
TEST AMERICA
10 HAZELWOOD

AMHERST , NY 14228
UNITED STATES US

BILL RECIPIENT

TO SAMPLE MGT.
TA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 660-1990
REF: TA BURLINGTON

FedEx Express

FRI - 06 OCT 3:00P
STANDARD OVERNIGHT

3 of 3
MPS# 0263 5657 0123 0829
Mstr# 5657 0123 0807

NC BTVA

05403
BTV

Part # 156148V-434 RIT2 EXP 03/18

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 200-40374-1

Login Number: 40374
List Number: 1
Creator: Lavigne, Scott M

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	025583
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
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 (Excluding tests with immediate HTs)..	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.	N/A	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Top Rack	20	6/23/2017	EJE	1L	6L	Individual	Batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	4916	.04	.05	.01	-29.5	G25	7.5.17	9AM	EE	22	G25	7.6.17	1030	EE	22
2	2707	.04	.04	0	-29.4	G25	6.26.17	9:00	EE	22	G25	7.10.17	14:30	EE	22
3	4307		.04	0	-29.4										
4	5465		.04	0	-29.4										
5	5985		.08	.04	-29.4										
6	5681		.08	.04	-29.4										
7	2522		.05	.01	-29.4										
8	6021		.04	0	-29.4										
9	3660		.10	.06	-29.4										
10	4332		.04	0	-29.4										
11	5110		.08	.04	-29.4										
12	4331		.09	.05	-29.4										

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
4916	7/03/17	25721	KP		XXXX				7/03/17	PAD

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

FAI023:04.26.17:10
TestAmerica Burlington

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Top Rack	20	9/6/2017	EJE	1L	6L	Individual	Batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3659	.04	.05	.01	-29.2	G25	9.7.17	11:00	EE	23	G25	9.27.17	15:45	EE	23
2	5689	"	.05	.01	-29.4	"	"	"	"	"	"	"	"	"	"
3	4929	"	.05	.01	-29.4	"	"	"	"	"	"	"	"	"	"
4	5721	"	.05	.01	-29.2	"	"	"	"	"	"	"	"	"	"
5	5027	.04	.05	.01	-29.5	G25	9.11.17	15:45	EE	23	G25	9.12.17	16:00	EE	23
6	5017	.04	.05	.01	-29.2	G25	9.7.17	11:00	EE	23	"	9.27.17	15:45	"	"
7	5608	"	.05	.01	-29.4	"	"	"	"	"	"	"	"	"	"
8	3286	"	.27	.23	-29.2	"	"	"	"	"	"	"	"	"	"
9	3265	"	.05	.01	-29.2	"	"	"	"	"	"	"	"	"	"
10	5066	"	.05	.01	-29.2	"	"	"	"	"	"	"	"	"	"
11	4542	"	.05	.01	-29.2	"	"	"	"	"	"	"	"	"	"
12	4289	"	.05	.01	-29.4	"	"	"	"	"	"	"	"	"	"

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review: Limited	Review Date	Reviewer
5027	9/8/17	~~26675~~ 26775	KP mc 10/6/17		XXXX				9/8/17	MP

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

FAI023:04.26.17:10
TestAmerica Burlington

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39070-1

SDG No.:

Client Sample ID: 4916 Lab Sample ID: 200-39070-1

Matrix: Air Lab File ID: 25721-23.D

Analysis Method: TO-15 Date Collected: 06/23/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/01/2017 05:27

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 118144 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39070-1

SDG No.:

Client Sample ID: 4916 Lab Sample ID: 200-39070-1

Matrix: Air Lab File ID: 25721-23.D

Analysis Method: TO-15 Date Collected: 06/23/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/01/2017 05:27

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 118144 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39070-1

SDG No.:

Client Sample ID: 4916 Lab Sample ID: 200-39070-1

Matrix: Air Lab File ID: 25721-23.D

Analysis Method: TO-15 Date Collected: 06/23/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 07/01/2017 05:27

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 118144 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20170630-25721.b\25721-23.D
Lims ID: 200-39070-A-1
Client ID: 4916
Sample Type: Client
Inject. Date: 01-Jul-2017 05:27:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0025721-023
Misc. Info.: 39070-01
Operator ID: pad Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20170630-25721.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 03-Jul-2017 13:25:38 Calib Date: 09-Jun-2017 10:03:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20170608-25406.b\25406-17.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: puangmaleek Date: 03-Jul-2017 13:10:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.140				ND	
2 Dichlorodifluoromethane	85		3.199				ND	
3 Chlorodifluoromethane	51		3.236				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.423				ND	
5 Chloromethane	50		3.545				ND	
6 Butane	43		3.722				ND	
7 Vinyl chloride	62		3.759				ND	
8 Butadiene	54		3.828				ND	
10 Bromomethane	94		4.495				ND	
11 Chloroethane	64		4.730				ND	
13 Vinyl bromide	106		5.141				ND	
14 Trichlorofluoromethane	101		5.243				ND	
16 Ethanol	45		5.718				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.273				ND	
20 1,1-Dichloroethene	96		6.342				ND	
21 Acetone	43		6.497				ND	
22 Isopropyl alcohol	45		6.737				ND	
23 Carbon disulfide	76		6.769				ND	
24 3-Chloro-1-propene	41		7.041				ND	
27 Methylene Chloride	49	7.303	7.303	0.000	48	3145	0.1250	7
28 2-Methyl-2-propanol	59		7.436				ND	
29 Methyl tert-butyl ether	73		7.655				ND	
30 trans-1,2-Dichloroethene	61		7.708				ND	
32 Hexane	57		8.039				ND	
33 1,1-Dichloroethane	63		8.450				ND	
34 Vinyl acetate	43		8.461				ND	
36 2-Butanone (MEK)	72		9.347				ND	
37 cis-1,2-Dichloroethene	96		9.357				ND	
35 Ethyl acetate	88		9.363				ND	
* 39 Chlorobromomethane	128	9.715	9.726	-0.011	78	238508	10.0	
38 Tetrahydrofuran	42		9.742				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Chloroform	83		9.800				ND	
S	41 1,2-Dichloroethene, Total	61		10.000				ND	
	42 1,1,1-Trichloroethane	97		10.056				ND	
	43 Cyclohexane	84		10.067				ND	
	44 Carbon tetrachloride	117		10.259				ND	
	45 Isooctane	57		10.542				ND	
	46 Benzene	78		10.585				ND	
	47 1,2-Dichloroethane	62		10.686				ND	
	48 n-Heptane	43		10.793				ND	
*	50 1,4-Difluorobenzene	114	11.124	11.129	-0.005	92	1177737	10.0	
	53 Trichloroethene	95		11.497				ND	
	54 1,2-Dichloropropane	63		11.866				ND	
	55 Methyl methacrylate	69		11.903				ND	
	56 1,4-Dioxane	88		11.999				ND	
	57 Dibromomethane	174		12.052				ND	
	58 Dichlorobromomethane	83		12.229				ND	
	60 cis-1,3-Dichloropropene	75		12.853				ND	
	61 4-Methyl-2-pentanone (MIBK	43		13.002				ND	
	64 Toluene	92		13.285				ND	
	66 trans-1,3-Dichloropropene	75		13.643				ND	
	67 1,1,2-Trichloroethane	83		13.915				ND	
	68 Tetrachloroethene	166		14.054				ND	
	69 2-Hexanone	43		14.182				ND	
	70 Chlorodibromomethane	129		14.470				ND	
	71 Ethylene Dibromide	107		14.673				ND	
*	72 Chlorobenzene-d5	117	15.228	15.233	-0.005	82	966678	10.0	
	73 Chlorobenzene	112		15.271				ND	
	74 Ethylbenzene	91		15.340				ND	
	76 m-Xylene & p-Xylene	106		15.484				ND	
	78 o-Xylene	106		15.996				ND	
S	77 Xylenes, Total	106		16.000				ND	
	79 Styrene	104		16.023				ND	
	80 Bromoform	173		16.311				ND	
	81 Isopropylbenzene	105		16.407				ND	
	83 1,1,2,2-Tetrachloroethane	83		16.813				ND	
	84 N-Propylbenzene	91		16.888				ND	
	87 4-Ethyltoluene	105		17.010				ND	
	88 2-Chlorotoluene	91		17.053				ND	
	89 1,3,5-Trimethylbenzene	105		17.080				ND	
	91 tert-Butylbenzene	119		17.453				ND	
	92 1,2,4-Trimethylbenzene	105		17.523				ND	
	93 sec-Butylbenzene	105		17.710				ND	
	94 4-Isopropyltoluene	119		17.864				ND	
	95 1,3-Dichlorobenzene	146		17.944				ND	
	96 1,4-Dichlorobenzene	146		18.057				ND	
	97 Benzyl chloride	91		18.206				ND	
	99 n-Butylbenzene	91		18.371				ND	
	100 1,2-Dichlorobenzene	146		18.542				ND	
	103 1,2,4-Trichlorobenzene	180		20.906				ND	
	104 Hexachlorobutadiene	225		21.067				ND	
	105 Naphthalene	128		21.387				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15BISs_00006 Amount Added: 20.00 Units: mL Run Reagent

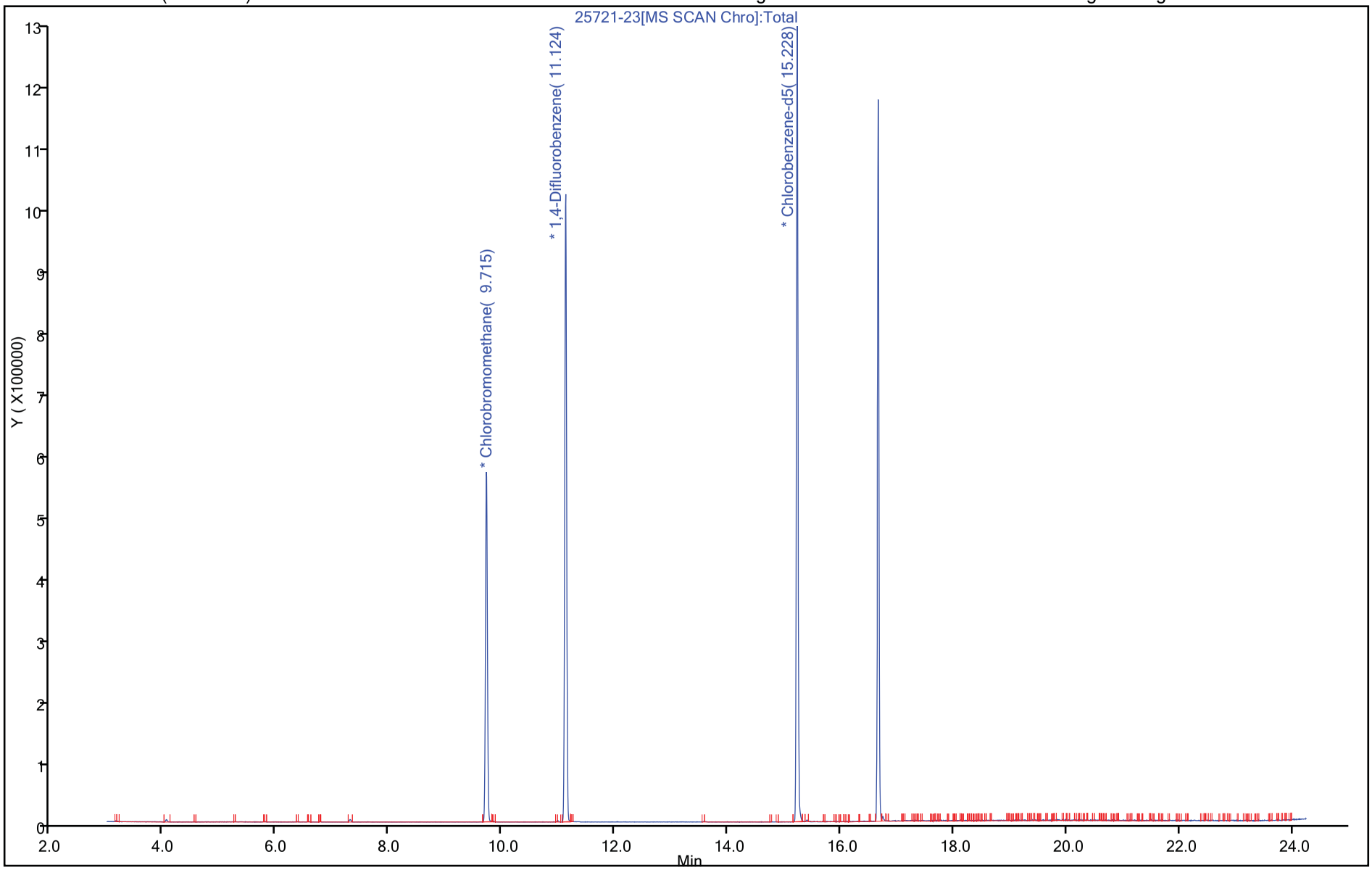
Report Date: 03-Jul-2017 10:03:25 Chrom Revision: 2.2 26-Jun-2017 09:07:56

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20170630-25721.b\25721-23.D

Injection Date:	01-Jul-2017 05:27:30	Instrument ID:	CHB.i	Operator ID:	pad
Lims ID:	200-39070-A-1	Lab Sample ID:	200-39070-1	Worklist Smp#:	23
Client ID:	4916				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	23
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39960-1

SDG No.:

Client Sample ID: 5027 Lab Sample ID: 200-39960-5

Matrix: Air Lab File ID: 200-26775-020.D

Analysis Method: TO-15 Date Collected: 09/06/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/08/2017 01:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120665 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39960-1

SDG No.:

Client Sample ID: 5027 Lab Sample ID: 200-39960-5

Matrix: Air Lab File ID: 200-26775-020.D

Analysis Method: TO-15 Date Collected: 09/06/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/08/2017 01:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120665 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39960-1

SDG No.:

Client Sample ID: 5027 Lab Sample ID: 200-39960-5

Matrix: Air Lab File ID: 200-26775-020.D

Analysis Method: TO-15 Date Collected: 09/06/2017 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 09/08/2017 01:58

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 120665 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20170907-26775.b\200-26775-020.D
Lims ID: 200-39960-A-5
Client ID: 5027
Sample Type: Client
Inject. Date: 08-Sep-2017 01:58:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0026775-020
Misc. Info.: 39960-05
Operator ID: vtp Instrument ID: CHG.i

Method: \\ChromNA\Burlington\ChromData\CHG.i\20170907-26775.b\TO15_MasterMethod_(v1)_G.m
Limit Group: AI_TO15_ICAL
Last Update: 08-Sep-2017 13:52:36 Calib Date: 24-Aug-2017 23:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHG.i\20170824-26567.b\200-26567-010.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK006

First Level Reviewer: puangmaleek Date: 08-Sep-2017 13:52:36

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		3.123				ND	
2	Dichlorodifluoromethane	85		3.176				ND	
3	Chlorodifluoromethane	51		3.219				ND	
4	1,2-Dichloro-1,1,2,2-tetra	85		3.390				ND	
5	Chloromethane	50		3.513				ND	
6	Butane	43		3.663				ND	
7	Vinyl chloride	62		3.706				ND	
8	Butadiene	54		3.765				ND	
10	Bromomethane	94		4.316				ND	
11	Chloroethane	64		4.497				ND	
13	Vinyl bromide	106		4.818				ND	
14	Trichlorofluoromethane	101		4.888				ND	
17	Ethanol	45		5.364				ND	
20	1,1,2-Trichloro-1,2,2-trif	101		5.771				ND	
21	1,1-Dichloroethene	96		5.835				ND	
22	Acetone	43		6.060				ND	
23	Carbon disulfide	76		6.204				ND	
24	Isopropyl alcohol	45		6.290				ND	
25	3-Chloro-1-propene	41		6.520				ND	
27	Methylene Chloride	49	6.776	6.776	0.000	1	507	0.0177	7
28	2-Methyl-2-propanol	59		6.985				ND	
29	Methyl tert-butyl ether	73		7.151				ND	
31	trans-1,2-Dichloroethene	61		7.172				ND	
33	Hexane	57		7.504				ND	
34	1,1-Dichloroethane	63		7.985				ND	
35	Vinyl acetate	43		8.044				ND	
37	cis-1,2-Dichloroethene	96		9.013				ND	
38	2-Butanone (MEK)	72		9.087				ND	
39	Ethyl acetate	88		9.104				ND	
* 40	Chlorobromomethane	128	9.451	9.462	-0.011	81	311160	10.0	
41	Tetrahydrofuran	42		9.494				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	42 Chloroform	83		9.569				ND	
S	30 1,2-Dichloroethene, Total	61		9.665				ND	
	43 Cyclohexane	84		9.810				ND	
	44 1,1,1-Trichloroethane	97		9.842				ND	
	45 Carbon tetrachloride	117		10.077				ND	
	46 Isooctane	57		10.484				ND	
	47 Benzene	78		10.543				ND	
	48 1,2-Dichloroethane	62		10.730				ND	
	49 n-Heptane	43		10.858				ND	
*	50 1,4-Difluorobenzene	114	11.361	11.361	0.000	95	1548649		10.0
	53 Trichloroethene	95		11.821				ND	
	54 1,2-Dichloropropane	63		12.378				ND	
	55 Methyl methacrylate	69		12.554				ND	
	56 1,4-Dioxane	88		12.629				ND	
	57 Dibromomethane	174		12.629				ND	
	58 Dichlorobromomethane	83		12.913				ND	
	60 cis-1,3-Dichloropropene	75		13.838				ND	
	61 4-Methyl-2-pentanone (MIBK	43		14.154				ND	
	65 Toluene	92		14.416				ND	
	66 trans-1,3-Dichloropropene	75		15.020				ND	
	67 1,1,2-Trichloroethane	83		15.395				ND	
	68 Tetrachloroethene	166		15.480				ND	
	69 2-Hexanone	43		15.876				ND	
	71 Chlorodibromomethane	129		16.149				ND	
	72 Ethylene Dibromide	107		16.422				ND	
*	74 Chlorobenzene-d5	117	17.321	17.321	0.000	89	1315851		10.0
	75 Chlorobenzene	112		17.385				ND	
	76 Ethylbenzene	91		17.540				ND	
	78 m-Xylene & p-Xylene	106		17.797				ND	
	79 o-Xylene	106		18.653				ND	
	80 Styrene	104		18.712				ND	
	81 Bromoform	173		19.156				ND	
	82 Isopropylbenzene	105		19.380				ND	
S	73 Xylenes, Total	106		19.600				ND	
	84 1,1,2,2-Tetrachloroethane	83		20.081				ND	
	85 N-Propylbenzene	91		20.145				ND	
	89 2-Chlorotoluene	91		20.343				ND	
	88 4-Ethyltoluene	105		20.343				ND	
	90 1,3,5-Trimethylbenzene	105		20.456				ND	
	92 tert-Butylbenzene	119		20.964				ND	
	93 1,2,4-Trimethylbenzene	105		21.060				ND	
	94 sec-Butylbenzene	105		21.301				ND	
	95 4-Isopropyltoluene	119		21.509				ND	
	96 1,3-Dichlorobenzene	146		21.531				ND	
	97 1,4-Dichlorobenzene	146		21.670				ND	
	98 Benzyl chloride	91		21.879				ND	
	100 n-Butylbenzene	91		22.087				ND	
	101 1,2-Dichlorobenzene	146		22.205				ND	
	103 1,2,4-Trichlorobenzene	180		24.660				ND	
	104 Hexachlorobutadiene	225		24.842				ND	
	105 Naphthalene	128		25.137				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15GIS_00015 Amount Added: 20.00 Units: mL Run Reagent

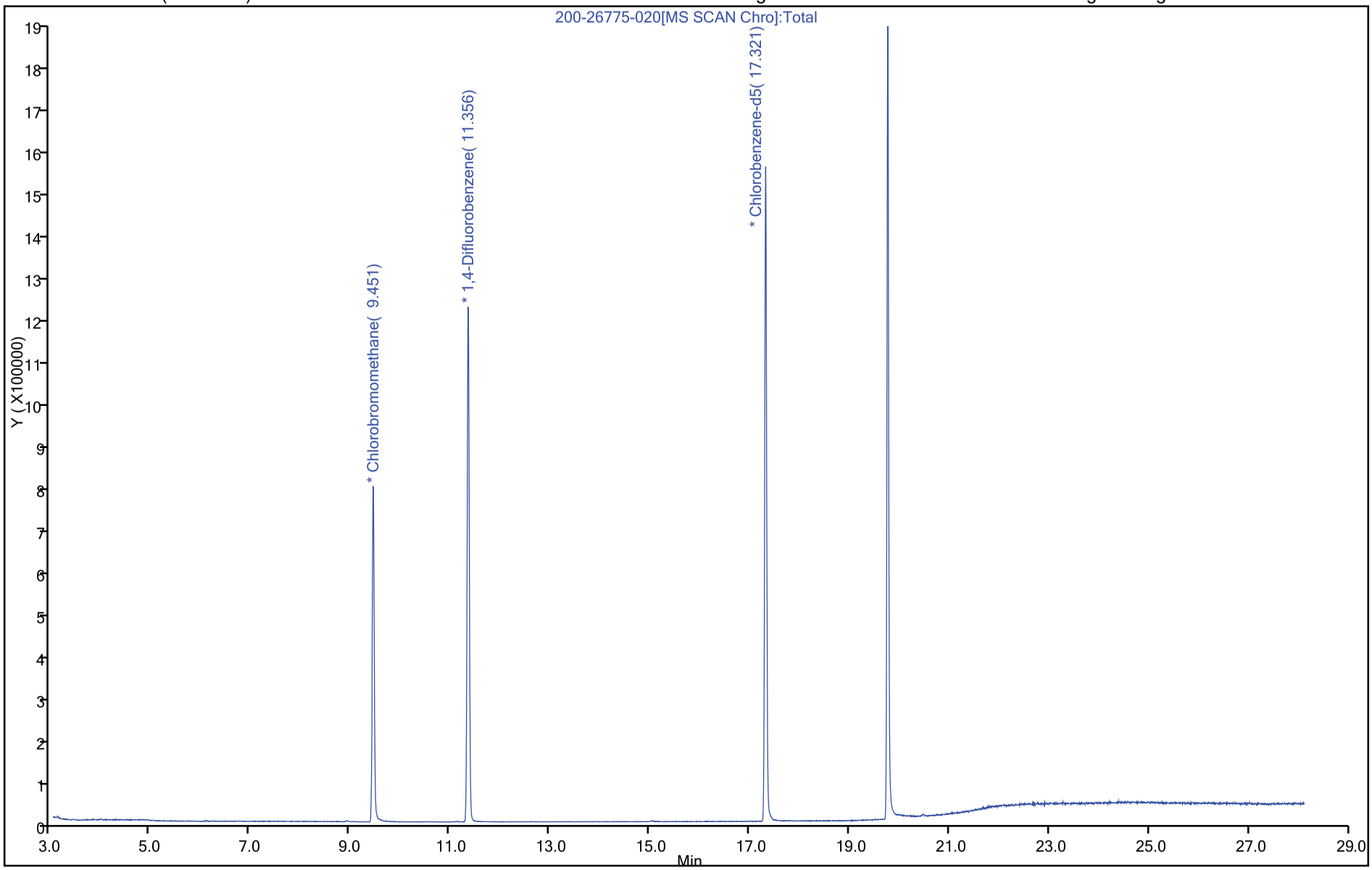
Report Date: 08-Sep-2017 13:52:36 Chrom Revision: 2.2 16-Aug-2017 16:24:46

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHG.i\20170907-26775.b\200-26775-020.D

Injection Date:	08-Sep-2017 01:58:30	Instrument ID:	CHG.i	Operator ID:	vtp
Lims ID:	200-39960-A-5	Lab Sample ID:	200-39960-5	Worklist Smp#:	20
Client ID:	5027				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	19
Method:	TO15_MasterMethod_(v1)_G	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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: 480-125383-1
Client Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Adam Zebrowski

Authorized for release by:
10/19/2017 12:15:34 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: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Job ID: 480-125383-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-125383-1

Receipt
The samples were received on 10/5/2017 6:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-381007 recovered above the upper control limit for 2-Butanone (MEK) and Carbon disulfide. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SB-23 0.6-2FT (480-125383-1), SB-25 0.6-2FT (480-125383-3) and SB-25 2-4FT (480-125383-4).

Method(s) 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-381007. The following samples were affected : SB-23 0.6-2FT (480-125383-1), SB-25 0.6-2FT (480-125383-3) and SB-25 2-4FT (480-125383-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-381443 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: SB-24 0.6-2FT (480-125383-2), SB-26 0.6-2FT (480-125383-5), SB-27 4-6FT (480-125383-6), SB-28 0.6-2FT (480-125383-7) and SB-29 0.6-2FT (480-125383-8).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-381658 recovered outside acceptance criteria, low biased, for Methylene Chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-381658 recovered above the upper control limit for 2-Hexanone and Cyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SB-23 0.6-2FT (480-125383-1), SB-25 0.6-2FT (480-125383-3) and SB-25 2-4FT (480-125383-4).

Method(s) 8260C: The following samples was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-23 0.6-2FT (480-125383-1), SB-25 0.6-2FT (480-125383-3) and SB-25 2-4FT (480-125383-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-382070 recovered outside control limits for the following analytes: 2-Hexanone, Cyclohexane, 1,2-Dichloroethane, Methyl acetate, 1,2-Dichloropropane, and 1,1,-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: SB-24 0.6-2FT (480-125383-2) and SB-26 0.6-2FT (480-125383-5)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-382131 recovered above the upper control limit for 2-Hexanone and Cyclohexane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SB-24 0.6-2FT (480-125383-2) and SB-26 0.6-2FT (480-125383-5).

Method(s) 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SB-24 0.6-2FT (480-125383-2) and SB-26 0.6-2FT (480-125383-5). 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.

Detection Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Client Sample ID: SB-23 0.6-2FT — Lab Sample ID: 480-125383-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43		21	3.6	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	56		4.2	0.54	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	2.3	J	4.2	0.44	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	44		4.2	0.93	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	6200		240	32	ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: SB-24 0.6-2FT — Lab Sample ID: 480-125383-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		14	2.3	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	29		2.7	0.35	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	0.30	J	2.7	0.28	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8.1		2.7	0.60	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	64000		1400	190	ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: SB-25 0.6-2FT — Lab Sample ID: 480-125383-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	10		3.3	0.41	ug/Kg	1	☼	8260C	Total/NA
Acetone	40		17	2.8	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	4.9		3.3	0.44	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	1.9	J	3.3	0.23	ug/Kg	1	☼	8260C	Total/NA
Toluene	7.0		3.3	0.25	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	27		3.3	0.34	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	4.1		3.3	0.40	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	7.3		6.6	0.56	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	140000		3500	470	ug/Kg	100	☼	8260C	Total/NA

Client Sample ID: SB-25 2-4FT — Lab Sample ID: 480-125383-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	5.9		2.1	0.26	ug/Kg	1	☼	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	1.9	J	11	0.69	ug/Kg	1	☼	8260C	Total/NA
Acetone	38		11	1.8	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	5.7		2.1	0.28	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	4.7		2.1	0.15	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	0.59	J	2.1	0.32	ug/Kg	1	☼	8260C	Total/NA
Toluene	15		2.1	0.16	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	11		2.1	0.22	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	35		2.1	0.26	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	22		4.2	0.35	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	7600		950	260	ug/Kg	25	☼	8260C	Total/NA
Tetrachloroethene - DL	49000		950	130	ug/Kg	25	☼	8260C	Total/NA
Trichloroethene - DL	1900		950	260	ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: SB-26 0.6-2FT — Lab Sample ID: 480-125383-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.2	J	12	2.0	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	14		2.4	0.31	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-26 0.6-2FT (Continued) — Lab Sample ID: 480-125383-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4.1		2.4	0.53	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene - DL	7700		150	21	ug/Kg	5	☼	8260C	Total/NA

Client Sample ID: SB-27 4-6FT — Lab Sample ID: 480-125383-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		13	2.1	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.90	J	2.5	0.32	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	15	B	2.5	0.34	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-28 0.6-2FT — Lab Sample ID: 480-125383-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	25		17	2.9	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	0.45	J	3.5	0.44	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	6.4	B	3.5	0.47	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-29 0.6-2FT — Lab Sample ID: 480-125383-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		16	2.8	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	24		3.3	0.42	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	0.70	J	3.3	0.46	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	0.99	J B	3.3	0.44	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	1.5	J	3.3	0.34	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	2.4	J	3.3	0.40	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-23 0.6-2FT
Date Collected: 10/05/17 10:45
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-1
Matrix: Solid
Percent Solids: 84.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.2	0.31	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,1,2,2-Tetrachloroethane	ND		4.2	0.69	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,1,2-Trichloroethane	ND		4.2	0.55	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.2	0.97	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,1-Dichloroethane	ND		4.2	0.52	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,1-Dichloroethene	ND		4.2	0.52	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,2,4-Trichlorobenzene	ND		4.2	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,2-Dibromo-3-Chloropropane	ND		4.2	2.1	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,2-Dichlorobenzene	ND		4.2	0.33	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,2-Dichloroethane	ND		4.2	0.21	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,2-Dichloropropane	ND		4.2	2.1	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,3-Dichlorobenzene	ND		4.2	0.22	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,4-Dichlorobenzene	ND		4.2	0.59	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
2-Butanone (MEK)	ND	*	21	1.6	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
2-Hexanone	ND		21	2.1	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		21	1.4	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Acetone	**43**		21	3.6	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Benzene	ND		4.2	0.21	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Bromodichloromethane	ND		4.2	0.57	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Bromoform	ND		4.2	2.1	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Bromomethane	ND		4.2	0.38	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Carbon disulfide	ND		4.2	2.1	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Carbon tetrachloride	ND		4.2	0.41	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Chlorobenzene	ND		4.2	0.56	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Dibromochloromethane	ND		4.2	0.54	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Chloroethane	ND		4.2	0.96	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Chloroform	ND		4.2	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Chloromethane	ND		4.2	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
cis-1,2-Dichloroethene	**56**		4.2	0.54	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
cis-1,3-Dichloropropene	ND		4.2	0.61	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Cyclohexane	ND		4.2	0.59	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Dichlorodifluoromethane	ND		4.2	0.35	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Ethylbenzene	ND		4.2	0.29	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
1,2-Dibromoethane	ND		4.2	0.54	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Isopropylbenzene	ND		4.2	0.64	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Methyl acetate	ND		21	2.6	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Methyl tert-butyl ether	ND		4.2	0.42	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Methylcyclohexane	ND		4.2	0.64	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Methylene Chloride	ND		4.2	1.9	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Styrene	ND		4.2	0.21	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Toluene	ND		4.2	0.32	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
trans-1,2-Dichloroethene	**2.3**	**J**	4.2	0.44	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
trans-1,3-Dichloropropene	ND		4.2	1.9	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Trichloroethene	**44**		4.2	0.93	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Trichlorofluoromethane	ND		4.2	0.40	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Vinyl chloride	ND		4.2	0.52	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1
Xylenes, Total	ND		8.5	0.71	ug/Kg	☼	10/06/17 01:30	10/10/17 16:13	1

Client Sample ID: SB-23 0.6-2FT

Lab Sample ID: 480-125383-1

Date Collected: 10/05/17 10:45
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 84.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	10/06/17 01:30	10/10/17 16:13	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	10/06/17 01:30	10/10/17 16:13	1
4-Bromofluorobenzene (Surr)	95		72 - 126	10/06/17 01:30	10/10/17 16:13	1
Dibromofluoromethane (Surr)	101		60 - 140	10/06/17 01:30	10/10/17 16:13	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	6200		240	32	ug/Kg	☼	10/12/17 11:14	10/13/17 19:28	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		50 - 149	10/12/17 11:14	10/13/17 19:28	8
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	10/12/17 11:14	10/13/17 19:28	8
4-Bromofluorobenzene (Surr)	93		49 - 148	10/12/17 11:14	10/13/17 19:28	8
Dibromofluoromethane (Surr)	89		60 - 140	10/12/17 11:14	10/13/17 19:28	8

Client Sample ID: SB-24 0.6-2FT

Lab Sample ID: 480-125383-2

Date Collected: 10/05/17 11:30
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.7	0.20	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,1,2,2-Tetrachloroethane	ND		2.7	0.44	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,1,2-Trichloroethane	ND		2.7	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.7	0.62	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,1-Dichloroethane	ND		2.7	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,1-Dichloroethene	ND		2.7	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,2,4-Trichlorobenzene	ND		2.7	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,2-Dibromo-3-Chloropropane	ND		2.7	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,2-Dichlorobenzene	ND		2.7	0.21	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,2-Dichloroethane	ND		2.7	0.14	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,2-Dichloropropane	ND		2.7	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,3-Dichlorobenzene	ND		2.7	0.14	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,4-Dichlorobenzene	ND		2.7	0.38	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
2-Butanone (MEK)	ND		14	1.0	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
2-Hexanone	ND		14	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		14	0.89	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Acetone	23		14	2.3	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Benzene	ND		2.7	0.13	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Bromodichloromethane	ND		2.7	0.37	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Bromoform	ND		2.7	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Bromomethane	ND		2.7	0.25	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Carbon disulfide	ND		2.7	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Carbon tetrachloride	ND		2.7	0.26	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Chlorobenzene	ND		2.7	0.36	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Dibromochloromethane	ND		2.7	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Chloroethane	ND		2.7	0.62	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Chloroform	ND		2.7	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Chloromethane	ND		2.7	0.16	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
cis-1,2-Dichloroethene	29		2.7	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
cis-1,3-Dichloropropene	ND		2.7	0.39	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1

Client Sample ID: SB-24 0.6-2FT

Date Collected: 10/05/17 11:30
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-2

Matrix: Solid
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		2.7	0.38	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Dichlorodifluoromethane	ND		2.7	0.23	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Ethylbenzene	ND		2.7	0.19	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
1,2-Dibromoethane	ND		2.7	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Isopropylbenzene	ND		2.7	0.41	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Methyl acetate	ND		14	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Methyl tert-butyl ether	ND		2.7	0.27	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Methylcyclohexane	ND		2.7	0.41	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Methylene Chloride	ND		2.7	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Styrene	ND		2.7	0.14	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Toluene	ND		2.7	0.21	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
trans-1,2-Dichloroethene	**0.30**	**J**	2.7	0.28	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
trans-1,3-Dichloropropene	ND		2.7	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Trichloroethene	**8.1**		2.7	0.60	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Trichlorofluoromethane	ND		2.7	0.26	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Vinyl chloride	ND		2.7	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1
Xylenes, Total	ND		5.5	0.46	ug/Kg	☼	10/06/17 01:30	10/12/17 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*71 - 125*	*10/06/17 01:30*	*10/12/17 20:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*10/06/17 01:30*	*10/12/17 20:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*10/06/17 01:30*	*10/12/17 20:37*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*10/06/17 01:30*	*10/12/17 20:37*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**64000**		1400	190	ug/Kg	☼	10/16/17 16:26	10/17/17 19:20	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*50 - 149*	*10/16/17 16:26*	*10/17/17 19:20*	*40*
1,2-Dichloroethane-d4 (Surr)	*110*		*53 - 146*	*10/16/17 16:26*	*10/17/17 19:20*	*40*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*10/16/17 16:26*	*10/17/17 19:20*	*40*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*10/16/17 16:26*	*10/17/17 19:20*	*40*

Client Sample ID: SB-25 0.6-2FT

Date Collected: 10/05/17 12:00
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-3

Matrix: Solid
Percent Solids: 86.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3	0.24	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,1,2,2-Tetrachloroethane	ND		3.3	0.54	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,1,2-Trichloroethane	ND		3.3	0.43	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.3	0.76	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,1-Dichloroethane	ND		3.3	0.40	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,1-Dichloroethene	**10**		3.3	0.41	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,2,4-Trichlorobenzene	ND		3.3	0.20	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,2-Dibromo-3-Chloropropane	ND		3.3	1.7	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,2-Dichlorobenzene	ND		3.3	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,2-Dichloroethane	ND		3.3	0.17	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1

Client Sample ID: SB-25 0.6-2FT
Date Collected: 10/05/17 12:00
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-3
Matrix: Solid
Percent Solids: 86.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		3.3	1.7	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,3-Dichlorobenzene	ND		3.3	0.17	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,4-Dichlorobenzene	ND		3.3	0.46	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
2-Butanone (MEK)	ND	*	17	1.2	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
2-Hexanone	ND		17	1.7	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
4-Methyl-2-pentanone (MIBK)	ND		17	1.1	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Acetone	**40**		17	2.8	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Benzene	ND		3.3	0.16	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Bromodichloromethane	ND		3.3	0.44	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Bromoform	ND		3.3	1.7	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Bromomethane	ND		3.3	0.30	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Carbon disulfide	ND		3.3	1.7	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Carbon tetrachloride	ND		3.3	0.32	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Chlorobenzene	**4.9**		3.3	0.44	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Dibromochloromethane	ND		3.3	0.42	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Chloroethane	ND		3.3	0.75	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Chloroform	ND		3.3	0.20	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Chloromethane	ND		3.3	0.20	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
cis-1,3-Dichloropropene	ND		3.3	0.48	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Cyclohexane	ND		3.3	0.46	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Dichlorodifluoromethane	ND		3.3	0.27	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Ethylbenzene	**1.9**	**J**	3.3	0.23	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
1,2-Dibromoethane	ND		3.3	0.43	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Isopropylbenzene	ND		3.3	0.50	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Methyl acetate	ND		17	2.0	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Methyl tert-butyl ether	ND		3.3	0.33	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Methylcyclohexane	ND		3.3	0.50	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Methylene Chloride	ND		3.3	1.5	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Styrene	ND		3.3	0.17	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Toluene	**7.0**		3.3	0.25	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
trans-1,2-Dichloroethene	**27**		3.3	0.34	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
trans-1,3-Dichloropropene	ND		3.3	1.5	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Trichlorofluoromethane	ND		3.3	0.31	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Vinyl chloride	**4.1**		3.3	0.40	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1
Xylenes, Total	**7.3**		6.6	0.56	ug/Kg	☼	10/06/17 01:30	10/10/17 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*71 - 125*	*10/06/17 01:30*	*10/10/17 17:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*10/06/17 01:30*	*10/10/17 17:04*	*1*
4-Bromofluorobenzene (Surr)	*104*		*72 - 126*	*10/06/17 01:30*	*10/10/17 17:04*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*10/06/17 01:30*	*10/10/17 17:04*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**140000**		3500	470	ug/Kg	☼	10/12/17 11:14	10/13/17 19:55	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 149*	*10/12/17 11:14*	*10/13/17 19:55*	*100*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*10/12/17 11:14*	*10/13/17 19:55*	*100*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*10/12/17 11:14*	*10/13/17 19:55*	*100*

Client Sample ID: SB-25 0.6-2FT

Lab Sample ID: 480-125383-3
Date Collected: 10/05/17 12:00
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 86.8

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	90		60 - 140	10/12/17 11:14	10/13/17 19:55	100

Client Sample ID: SB-25 2-4FT

Lab Sample ID: 480-125383-4
Date Collected: 10/05/17 12:00
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 88.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.1	0.15	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,1,2,2-Tetrachloroethane	ND		2.1	0.34	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,1,2-Trichloroethane	ND		2.1	0.27	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	0.48	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,1-Dichloroethane	ND		2.1	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,1-Dichloroethene	**5.9**		2.1	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,2,4-Trichlorobenzene	ND		2.1	0.13	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,2-Dibromo-3-Chloropropane	ND		2.1	1.1	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,2-Dichlorobenzene	ND		2.1	0.16	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,2-Dichloroethane	ND		2.1	0.11	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,2-Dichloropropane	ND		2.1	1.1	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,3-Dichlorobenzene	ND		2.1	0.11	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,4-Dichlorobenzene	ND		2.1	0.30	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
2-Butanone (MEK)	ND	*	11	0.77	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
2-Hexanone	ND		11	1.1	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
4-Methyl-2-pentanone (MIBK)	**1.9**	**J**	11	0.69	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Acetone	**38**		11	1.8	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Benzene	ND		2.1	0.10	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Bromodichloromethane	ND		2.1	0.28	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Bromoform	ND		2.1	1.1	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Bromomethane	ND		2.1	0.19	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Carbon disulfide	ND		2.1	1.1	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Carbon tetrachloride	ND		2.1	0.20	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Chlorobenzene	**5.7**		2.1	0.28	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Dibromochloromethane	ND		2.1	0.27	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Chloroethane	ND		2.1	0.48	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Chloroform	ND		2.1	0.13	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Chloromethane	ND		2.1	0.13	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
cis-1,3-Dichloropropene	ND		2.1	0.30	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Cyclohexane	ND		2.1	0.30	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Dichlorodifluoromethane	ND		2.1	0.17	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Ethylbenzene	**4.7**		2.1	0.15	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
1,2-Dibromoethane	ND		2.1	0.27	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Isopropylbenzene	**0.59**	**J**	2.1	0.32	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Methyl acetate	ND		11	1.3	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Methyl tert-butyl ether	ND		2.1	0.21	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Methylcyclohexane	ND		2.1	0.32	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Methylene Chloride	ND		2.1	0.97	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Styrene	ND		2.1	0.11	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Toluene	**15**		2.1	0.16	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
trans-1,2-Dichloroethene	**11**		2.1	0.22	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1

Client Sample ID: SB-25 2-4FT

Date Collected: 10/05/17 12:00
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-4
Matrix: Solid
Percent Solids: 88.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2.1	0.93	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Trichlorofluoromethane	ND		2.1	0.20	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Vinyl chloride	**35**		2.1	0.26	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1
Xylenes, Total	**22**		4.2	0.35	ug/Kg	☼	10/06/17 01:30	10/10/17 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*122*		*71 - 125*	*10/06/17 01:30*	*10/10/17 17:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*10/06/17 01:30*	*10/10/17 17:30*	*1*
4-Bromofluorobenzene (Surr)	*109*		*72 - 126*	*10/06/17 01:30*	*10/10/17 17:30*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*10/06/17 01:30*	*10/10/17 17:30*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**7600**		950	260	ug/Kg	☼	10/12/17 11:14	10/13/17 20:22	25
Tetrachloroethene	**49000**		950	130	ug/Kg	☼	10/12/17 11:14	10/13/17 20:22	25
Trichloroethene	**1900**		950	260	ug/Kg	☼	10/12/17 11:14	10/13/17 20:22	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*50 - 149*	*10/12/17 11:14*	*10/13/17 20:22*	*25*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*10/12/17 11:14*	*10/13/17 20:22*	*25*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*10/12/17 11:14*	*10/13/17 20:22*	*25*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*10/12/17 11:14*	*10/13/17 20:22*	*25*

Client Sample ID: SB-26 0.6-2FT

Date Collected: 10/05/17 12:55
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-5
Matrix: Solid
Percent Solids: 92.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.4	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,1,2,2-Tetrachloroethane	ND		2.4	0.39	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,1,2-Trichloroethane	ND		2.4	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.4	0.55	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,1-Dichloroethane	ND		2.4	0.29	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,1-Dichloroethene	ND		2.4	0.29	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,2,4-Trichlorobenzene	ND		2.4	0.15	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,2-Dibromo-3-Chloropropane	ND		2.4	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,2-Dichlorobenzene	ND		2.4	0.19	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,2-Dichloroethane	ND		2.4	0.12	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,2-Dichloropropane	ND		2.4	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,3-Dichlorobenzene	ND		2.4	0.12	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,4-Dichlorobenzene	ND		2.4	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
2-Butanone (MEK)	ND		12	0.88	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
2-Hexanone	ND		12	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
4-Methyl-2-pentanone (MIBK)	ND		12	0.79	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Acetone	**6.2**	**J**	12	2.0	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Benzene	ND		2.4	0.12	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Bromodichloromethane	ND		2.4	0.32	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Bromoform	ND		2.4	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Bromomethane	ND		2.4	0.22	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1

Client Sample ID: SB-26 0.6-2FT

Date Collected: 10/05/17 12:55
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-5

Matrix: Solid
Percent Solids: 92.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		2.4	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Carbon tetrachloride	ND		2.4	0.23	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Chlorobenzene	ND		2.4	0.32	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Dibromochloromethane	ND		2.4	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Chloroethane	ND		2.4	0.54	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Chloroform	ND		2.4	0.15	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Chloromethane	ND		2.4	0.14	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
cis-1,2-Dichloroethene	**14**		2.4	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
cis-1,3-Dichloropropene	ND		2.4	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Cyclohexane	ND		2.4	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Dichlorodifluoromethane	ND		2.4	0.20	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Ethylbenzene	ND		2.4	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
1,2-Dibromoethane	ND		2.4	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Isopropylbenzene	ND		2.4	0.36	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Methyl acetate	ND		12	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Methyl tert-butyl ether	ND		2.4	0.24	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Methylcyclohexane	ND		2.4	0.36	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Methylene Chloride	ND		2.4	1.1	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Styrene	ND		2.4	0.12	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Toluene	ND		2.4	0.18	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
trans-1,2-Dichloroethene	ND		2.4	0.25	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
trans-1,3-Dichloropropene	ND		2.4	1.1	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Trichloroethene	**4.1**		2.4	0.53	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Trichlorofluoromethane	ND		2.4	0.23	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Vinyl chloride	ND		2.4	0.29	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1
Xylenes, Total	ND		4.8	0.40	ug/Kg	☼	10/06/17 01:30	10/12/17 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 125*	*10/06/17 01:30*	*10/12/17 21:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*10/06/17 01:30*	*10/12/17 21:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*	*10/06/17 01:30*	*10/12/17 21:03*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*10/06/17 01:30*	*10/12/17 21:03*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**7700**		150	21	ug/Kg	☼	10/16/17 16:26	10/17/17 19:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*50 - 149*	*10/16/17 16:26*	*10/17/17 19:47*	*5*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*10/16/17 16:26*	*10/17/17 19:47*	*5*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*10/16/17 16:26*	*10/17/17 19:47*	*5*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*10/16/17 16:26*	*10/17/17 19:47*	*5*

Client Sample ID: SB-27 4-6FT

Date Collected: 10/05/17 13:45
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-6

Matrix: Solid
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.5	0.18	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1

Client Sample ID: SB-27 4-6FT
Date Collected: 10/05/17 13:45
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-6
Matrix: Solid
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		2.5	0.41	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,1,2-Trichloroethane	ND		2.5	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.5	0.58	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,1-Dichloroethane	ND		2.5	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,1-Dichloroethene	ND		2.5	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,2,4-Trichlorobenzene	ND		2.5	0.15	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,2-Dibromo-3-Chloropropane	ND		2.5	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,2-Dichlorobenzene	ND		2.5	0.20	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,2-Dichloroethane	ND		2.5	0.13	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,2-Dichloropropane	ND		2.5	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,3-Dichlorobenzene	ND		2.5	0.13	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,4-Dichlorobenzene	ND		2.5	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
2-Butanone (MEK)	ND		13	0.93	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
2-Hexanone	ND		13	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		13	0.83	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Acetone	**14**		13	2.1	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Benzene	ND		2.5	0.12	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Bromodichloromethane	ND		2.5	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Bromoform	ND		2.5	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Bromomethane	ND		2.5	0.23	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Carbon disulfide	ND		2.5	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Carbon tetrachloride	ND		2.5	0.25	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Chlorobenzene	ND		2.5	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Dibromochloromethane	ND		2.5	0.32	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Chloroethane	ND		2.5	0.57	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Chloroform	ND		2.5	0.16	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Chloromethane	ND		2.5	0.15	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
cis-1,2-Dichloroethene	**0.90**	**J**	2.5	0.32	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
cis-1,3-Dichloropropene	ND		2.5	0.36	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Cyclohexane	ND		2.5	0.35	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Dichlorodifluoromethane	ND		2.5	0.21	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Ethylbenzene	ND		2.5	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
1,2-Dibromoethane	ND		2.5	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Isopropylbenzene	ND		2.5	0.38	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Methyl acetate	ND		13	1.5	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Methyl tert-butyl ether	ND		2.5	0.25	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Methylcyclohexane	ND		2.5	0.38	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Methylene Chloride	ND		2.5	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Styrene	ND		2.5	0.13	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Tetrachloroethene	**15**	**B**	2.5	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Toluene	ND		2.5	0.19	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
trans-1,2-Dichloroethene	ND		2.5	0.26	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
trans-1,3-Dichloropropene	ND		2.5	1.1	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Trichloroethene	ND		2.5	0.56	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Trichlorofluoromethane	ND		2.5	0.24	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Vinyl chloride	ND		2.5	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1
Xylenes, Total	ND		5.1	0.43	ug/Kg	☼	10/06/17 01:30	10/12/17 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*71 - 125*	*10/06/17 01:30*	*10/12/17 21:28*	*1*

Client Sample ID: SB-27 4-6FT

Lab Sample ID: 480-125383-6
Date Collected: 10/05/17 13:45
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*10/06/17 01:30*	*10/12/17 21:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 126*	*10/06/17 01:30*	*10/12/17 21:28*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*10/06/17 01:30*	*10/12/17 21:28*	*1*

Client Sample ID: SB-28 0.6-2FT

Lab Sample ID: 480-125383-7
Date Collected: 10/05/17 14:10
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.5	0.25	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,1,2,2-Tetrachloroethane	ND		3.5	0.56	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,1,2-Trichloroethane	ND		3.5	0.45	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.5	0.79	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,1-Dichloroethane	ND		3.5	0.42	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,1-Dichloroethene	ND		3.5	0.43	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,2,4-Trichlorobenzene	ND		3.5	0.21	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,2-Dibromo-3-Chloropropane	ND		3.5	1.7	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,2-Dichlorobenzene	ND		3.5	0.27	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,2-Dichloroethane	ND		3.5	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,2-Dichloropropane	ND		3.5	1.7	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,3-Dichlorobenzene	ND		3.5	0.18	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,4-Dichlorobenzene	ND		3.5	0.49	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
2-Butanone (MEK)	ND		17	1.3	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
2-Hexanone	ND		17	1.7	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
4-Methyl-2-pentanone (MIBK)	ND		17	1.1	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Acetone	**25**		17	2.9	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Benzene	ND		3.5	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Bromodichloromethane	ND		3.5	0.47	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Bromoform	ND		3.5	1.7	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Bromomethane	ND		3.5	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Carbon disulfide	ND		3.5	1.7	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Carbon tetrachloride	ND		3.5	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Chlorobenzene	ND		3.5	0.46	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Dibromochloromethane	ND		3.5	0.44	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Chloroethane	ND		3.5	0.79	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Chloroform	ND		3.5	0.21	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Chloromethane	ND		3.5	0.21	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
cis-1,2-Dichloroethene	**0.45**	**J**	3.5	0.44	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
cis-1,3-Dichloropropene	ND		3.5	0.50	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Cyclohexane	ND		3.5	0.49	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Dichlorodifluoromethane	ND		3.5	0.29	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Ethylbenzene	ND		3.5	0.24	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
1,2-Dibromoethane	ND		3.5	0.45	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Isopropylbenzene	ND		3.5	0.52	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Methyl acetate	ND		17	2.1	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Methyl tert-butyl ether	ND		3.5	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Methylcyclohexane	ND		3.5	0.53	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Methylene Chloride	ND		3.5	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1

Client Sample ID: SB-28 0.6-2FT

Date Collected: 10/05/17 14:10
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-7
Matrix: Solid
Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		3.5	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Tetrachloroethene	**6.4**	**B**	3.5	0.47	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Toluene	ND		3.5	0.26	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
trans-1,2-Dichloroethene	ND		3.5	0.36	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
trans-1,3-Dichloropropene	ND		3.5	1.5	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Trichloroethene	ND		3.5	0.76	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Trichlorofluoromethane	ND		3.5	0.33	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Vinyl chloride	ND		3.5	0.42	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1
Xylenes, Total	ND		7.0	0.58	ug/Kg	☼	10/06/17 01:30	10/12/17 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*71 - 125*	*10/06/17 01:30*	*10/12/17 21:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*10/06/17 01:30*	*10/12/17 21:54*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*10/06/17 01:30*	*10/12/17 21:54*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*10/06/17 01:30*	*10/12/17 21:54*	*1*

Client Sample ID: SB-29 0.6-2FT

Date Collected: 10/05/17 15:40
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-8
Matrix: Solid
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.3	0.24	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,1,2,2-Tetrachloroethane	ND		3.3	0.53	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,1,2-Trichloroethane	ND		3.3	0.43	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.3	0.75	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,1-Dichloroethane	ND		3.3	0.40	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,1-Dichloroethene	ND		3.3	0.40	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,2,4-Trichlorobenzene	ND		3.3	0.20	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,2-Dibromo-3-Chloropropane	ND		3.3	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,2-Dichlorobenzene	ND		3.3	0.26	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,2-Dichloroethane	ND		3.3	0.16	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,2-Dichloropropane	ND		3.3	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,3-Dichlorobenzene	ND		3.3	0.17	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,4-Dichlorobenzene	ND		3.3	0.46	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
2-Butanone (MEK)	ND		16	1.2	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
2-Hexanone	ND		16	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
4-Methyl-2-pentanone (MIBK)	ND		16	1.1	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Acetone	**37**		16	2.8	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Benzene	ND		3.3	0.16	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Bromodichloromethane	ND		3.3	0.44	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Bromoform	ND		3.3	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Bromomethane	ND		3.3	0.30	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Carbon disulfide	ND		3.3	1.6	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Carbon tetrachloride	ND		3.3	0.32	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Chlorobenzene	ND		3.3	0.43	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Dibromochloromethane	ND		3.3	0.42	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Chloroethane	ND		3.3	0.74	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Chloroform	ND		3.3	0.20	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Chloromethane	ND		3.3	0.20	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1

Client Sample ID: SB-29 0.6-2FT
Date Collected: 10/05/17 15:40
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-8
Matrix: Solid
Percent Solids: 87.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**24**		3.3	0.42	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
cis-1,3-Dichloropropene	ND		3.3	0.47	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Cyclohexane	**0.70**	**J**	3.3	0.46	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Dichlorodifluoromethane	ND		3.3	0.27	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Ethylbenzene	ND		3.3	0.23	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
1,2-Dibromoethane	ND		3.3	0.42	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Isopropylbenzene	ND		3.3	0.50	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Methyl acetate	ND		16	2.0	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Methyl tert-butyl ether	ND		3.3	0.32	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Methylcyclohexane	ND		3.3	0.50	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Methylene Chloride	ND		3.3	1.5	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Styrene	ND		3.3	0.16	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Tetrachloroethene	**0.99**	**J B**	3.3	0.44	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Toluene	ND		3.3	0.25	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
trans-1,2-Dichloroethene	**1.5**	**J**	3.3	0.34	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
trans-1,3-Dichloropropene	ND		3.3	1.4	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Trichloroethene	ND		3.3	0.72	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Trichlorofluoromethane	ND		3.3	0.31	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Vinyl chloride	**2.4**	**J**	3.3	0.40	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1
Xylenes, Total	ND		6.6	0.55	ug/Kg	☼	10/06/17 01:30	10/12/17 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 125*	*10/06/17 01:30*	*10/12/17 22:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*10/06/17 01:30*	*10/12/17 22:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*10/06/17 01:30*	*10/12/17 22:19*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*10/06/17 01:30*	*10/12/17 22:19*	*1*

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)	(60-140)
480-125383-1	SB-23 0.6-2FT	100	100	95	101
480-125383-2	SB-24 0.6-2FT	97	101	100	103
480-125383-3	SB-25 0.6-2FT	108	104	104	107
480-125383-4	SB-25 2-4FT	122	105	109	107
480-125383-5	SB-26 0.6-2FT	98	104	102	106
480-125383-6	SB-27 4-6FT	99	109	105	107
480-125383-7	SB-28 0.6-2FT	99	100	100	103
480-125383-8	SB-29 0.6-2FT	98	106	103	104
LCS 480-381053/1-A	Lab Control Sample	101	100	105	101
LCS 480-381517/1-A	Lab Control Sample	99	102	102	105
MB 480-381053/21-A	Method Blank	100	100	101	104
MB 480-381517/2-A	Method Blank	98	99	101	102

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	12DCE	BFB	DBFM
Lab Sample ID	Client Sample ID	(50-149)	(53-146)	(49-148)	(60-140)
480-125383-1 - DL	SB-23 0.6-2FT	94	104	93	89
480-125383-2 - DL	SB-24 0.6-2FT	94	110	102	90
480-125383-3 - DL	SB-25 0.6-2FT	95	105	93	90
480-125383-4 - DL	SB-25 2-4FT	94	106	96	95
480-125383-5 - DL	SB-26 0.6-2FT	94	105	101	88
LCS 480-381483/1-A	Lab Control Sample	96	96	94	91
LCS 480-382070/1-A	Lab Control Sample	96	104	102	91
MB 480-381483/2-A	Method Blank	96	99	95	89
MB 480-382070/2-A	Method Blank	96	104	101	88

Surrogate Legend

TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-381053/21-A
Matrix: Solid
Analysis Batch: 381007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 381053

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
2-Hexanone	ND		25	2.5	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Acetone	ND		25	4.2	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Benzene	ND		5.0	0.25	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Bromoform	ND		5.0	2.5	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Bromomethane	ND		5.0	0.45	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Chloroethane	ND		5.0	1.1	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Chloroform	ND		5.0	0.31	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Chloromethane	ND		5.0	0.30	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Cyclohexane	ND		5.0	0.70	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Methyl acetate	ND		25	3.0	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Styrene	ND		5.0	0.25	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Toluene	ND		5.0	0.38	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Trichloroethene	ND		5.0	1.1	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		10/10/17 10:59	10/10/17 13:32	1
Xylenes, Total	ND		10	0.84	ug/Kg		10/10/17 10:59	10/10/17 13:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		71 - 125	10/10/17 10:59	10/10/17 13:32	1
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	10/10/17 10:59	10/10/17 13:32	1
4-Bromofluorobenzene (Surr)	101		72 - 126	10/10/17 10:59	10/10/17 13:32	1
Dibromofluoromethane (Surr)	104		60 - 140	10/10/17 10:59	10/10/17 13:32	1

Lab Sample ID: LCS 480-381053/1-A
Matrix: Solid
Analysis Batch: 381007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 381053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	49.9		ug/Kg		100	77 - 121
1,1,2,2-Tetrachloroethane	50.0	49.8		ug/Kg		100	80 - 120
1,1,2-Trichloroethane	50.0	50.3		ug/Kg		101	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.9		ug/Kg		102	60 - 140
1,1-Dichloroethane	50.0	49.6		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	50.5		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	54.4		ug/Kg		109	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	47.7		ug/Kg		95	63 - 124
1,2-Dichlorobenzene	50.0	50.6		ug/Kg		101	75 - 120
1,2-Dichloroethane	50.0	45.5		ug/Kg		91	77 - 122
1,2-Dichloropropane	50.0	48.4		ug/Kg		97	75 - 124
1,3-Dichlorobenzene	50.0	50.7		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	49.1		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	391	*	ug/Kg		157	70 - 134
2-Hexanone	250	230		ug/Kg		92	59 - 130
4-Methyl-2-pentanone (MIBK)	250	229		ug/Kg		92	65 - 133
Acetone	250	231		ug/Kg		92	61 - 137
Benzene	50.0	49.5		ug/Kg		99	79 - 127
Bromodichloromethane	50.0	52.8		ug/Kg		106	80 - 122
Bromoform	50.0	56.8		ug/Kg		114	68 - 126
Bromomethane	50.0	42.2		ug/Kg		84	37 - 149
Carbon disulfide	50.0	52.9		ug/Kg		106	64 - 131
Carbon tetrachloride	50.0	53.6		ug/Kg		107	75 - 135
Chlorobenzene	50.0	51.3		ug/Kg		103	76 - 124
Dibromochloromethane	50.0	50.3		ug/Kg		101	76 - 125
Chloroethane	50.0	41.0		ug/Kg		82	69 - 135
Chloroform	50.0	47.6		ug/Kg		95	80 - 120
Chloromethane	50.0	42.5		ug/Kg		85	63 - 127
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	80 - 120
Cyclohexane	50.0	47.9		ug/Kg		96	65 - 120
Dichlorodifluoromethane	50.0	52.1		ug/Kg		104	57 - 142
Ethylbenzene	50.0	50.3		ug/Kg		101	80 - 120
1,2-Dibromoethane	50.0	52.3		ug/Kg		105	78 - 120
Isopropylbenzene	50.0	49.5		ug/Kg		99	72 - 120
Methyl acetate	100	91.9		ug/Kg		92	55 - 136
Methyl tert-butyl ether	50.0	49.0		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	50.7		ug/Kg		101	60 - 140
Methylene Chloride	50.0	52.1		ug/Kg		104	61 - 127
Styrene	50.0	51.0		ug/Kg		102	80 - 120
Tetrachloroethene	50.0	58.8		ug/Kg		118	74 - 122
Toluene	50.0	50.1		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	78 - 126

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-381053/1-A
Matrix: Solid
Analysis Batch: 381007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 381053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	50.0	52.8		ug/Kg		106	73 - 123
Trichloroethene	50.0	51.2		ug/Kg		102	77 - 129
Trichlorofluoromethane	50.0	49.4		ug/Kg		99	65 - 146
Vinyl chloride	50.0	44.1		ug/Kg		88	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*
4-Bromofluorobenzene (Surr)	*105*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: MB 480-381483/2-A
Matrix: Solid
Analysis Batch: 381607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 381483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,1-Dichloroethane	ND		100	31	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,1-Dichloroethene	ND		100	35	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,2-Dichloroethane	ND		100	41	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,2-Dichloropropane	ND		100	16	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
2-Butanone (MEK)	ND		500	300	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
2-Hexanone	ND		500	210	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Acetone	ND		500	410	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Benzene	ND		100	19	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Bromodichloromethane	ND		100	20	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Bromoform	ND		100	50	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Bromomethane	ND		100	22	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Carbon disulfide	ND		100	46	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Carbon tetrachloride	ND		100	26	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Chlorobenzene	ND		100	13	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Dibromochloromethane	ND		100	48	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Chloroethane	ND		100	21	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Chloroform	ND		100	69	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Chloromethane	ND		100	24	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Cyclohexane	ND		100	22	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		10/12/17 11:14	10/13/17 01:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-381483/2-A
Matrix: Solid
Analysis Batch: 381607

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 381483

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		100	29	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
1,2-Dibromoethane	ND		100	18	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Isopropylbenzene	ND		100	15	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Methyl acetate	ND		500	48	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Methylcyclohexane	ND		100	47	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Methylene Chloride	ND		100	20	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Styrene	ND		100	24	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Tetrachloroethene	ND		100	13	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Toluene	ND		100	27	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Trichloroethene	ND		100	28	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Trichlorofluoromethane	ND		100	47	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Vinyl chloride	ND		100	34	ug/Kg		10/12/17 11:14	10/13/17 01:51	1
Xylenes, Total	ND		200	55	ug/Kg		10/12/17 11:14	10/13/17 01:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*50 - 149*	*10/12/17 11:14*	*10/13/17 01:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*10/12/17 11:14*	*10/13/17 01:51*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*10/12/17 11:14*	*10/13/17 01:51*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*10/12/17 11:14*	*10/13/17 01:51*	*1*

Lab Sample ID: LCS 480-381483/1-A
Matrix: Solid
Analysis Batch: 381607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 381483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2490		ug/Kg		99	68 - 130
1,1,2,2-Tetrachloroethane	2500	2460		ug/Kg		98	73 - 120
1,1,2-Trichloroethane	2500	2480		ug/Kg		99	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2390		ug/Kg		96	10 - 179
1,1-Dichloroethane	2500	2440		ug/Kg		98	78 - 121
1,1-Dichloroethene	2500	2180		ug/Kg		87	48 - 133
1,2,4-Trichlorobenzene	2500	2700		ug/Kg		108	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2310		ug/Kg		92	56 - 122
1,2-Dichlorobenzene	2500	2470		ug/Kg		99	78 - 125
1,2-Dichloroethane	2500	2460		ug/Kg		98	74 - 127
1,2-Dichloropropane	2500	2470		ug/Kg		99	80 - 120
1,3-Dichlorobenzene	2500	2510		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2400		ug/Kg		96	80 - 120
2-Butanone (MEK)	12500	13000		ug/Kg		104	54 - 149
2-Hexanone	12500	13500		ug/Kg		108	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	13100		ug/Kg		105	74 - 120
Acetone	12500	10000		ug/Kg		80	47 - 141
Benzene	2500	2330		ug/Kg		93	77 - 125
Bromodichloromethane	2500	2290		ug/Kg		92	71 - 121

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-381483/1-A
Matrix: Solid
Analysis Batch: 381607

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 381483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	2500	2120		ug/Kg		85	48 - 125
Bromomethane	2500	1690		ug/Kg		67	39 - 149
Carbon disulfide	2500	2060		ug/Kg		82	40 - 136
Carbon tetrachloride	2500	2290		ug/Kg		92	54 - 135
Chlorobenzene	2500	2420		ug/Kg		97	76 - 126
Dibromochloromethane	2500	2300		ug/Kg		92	64 - 120
Chloroethane	2500	1950		ug/Kg		78	23 - 150
Chloroform	2500	2280		ug/Kg		91	78 - 120
Chloromethane	2500	1570		ug/Kg		63	61 - 124
cis-1,2-Dichloroethene	2500	2260		ug/Kg		90	79 - 124
cis-1,3-Dichloropropene	2500	2300		ug/Kg		92	75 - 121
Cyclohexane	2500	2550		ug/Kg		102	49 - 129
Dichlorodifluoromethane	2500	959		ug/Kg		38	10 - 150
Ethylbenzene	2500	2590		ug/Kg		104	78 - 124
1,2-Dibromoethane	2500	2400		ug/Kg		96	80 - 120
Isopropylbenzene	2500	2440		ug/Kg		98	76 - 120
Methyl acetate	5000	5120		ug/Kg		102	71 - 123
Methyl tert-butyl ether	2500	2220		ug/Kg		89	67 - 137
Methylcyclohexane	2500	2330		ug/Kg		93	50 - 130
Methylene Chloride	2500	2260		ug/Kg		91	75 - 118
Styrene	2500	2420		ug/Kg		97	80 - 120
Tetrachloroethene	2500	2540		ug/Kg		102	73 - 133
Toluene	2500	2390		ug/Kg		96	75 - 124
trans-1,2-Dichloroethene	2500	2240		ug/Kg		90	74 - 129
trans-1,3-Dichloropropene	2500	2410		ug/Kg		96	73 - 120
Trichloroethene	2500	2400		ug/Kg		96	75 - 131
Trichlorofluoromethane	2500	1840		ug/Kg		73	29 - 158
Vinyl chloride	2500	1620		ug/Kg		65	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*50 - 149*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*
Dibromofluoromethane (Surr)	*91*		*60 - 140*

Lab Sample ID: MB 480-381517/2-A
Matrix: Solid
Analysis Batch: 381443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 381517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		10/12/17 13:14	10/12/17 14:34	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-381517/2-A
Matrix: Solid
Analysis Batch: 381443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 381517

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
2-Hexanone	ND		25	2.5	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Acetone	ND		25	4.2	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Benzene	ND		5.0	0.25	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Bromoform	ND		5.0	2.5	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Bromomethane	ND		5.0	0.45	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Chloroethane	ND		5.0	1.1	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Chloroform	ND		5.0	0.31	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Chloromethane	ND		5.0	0.30	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Cyclohexane	ND		5.0	0.70	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Methyl acetate	ND		25	3.0	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Styrene	ND		5.0	0.25	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Tetrachloroethene	0.924	J	5.0	0.67	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Toluene	ND		5.0	0.38	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Trichloroethene	ND		5.0	1.1	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		10/12/17 13:14	10/12/17 14:34	1
Xylenes, Total	ND		10	0.84	ug/Kg		10/12/17 13:14	10/12/17 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*71 - 125*	*10/12/17 13:14*	*10/12/17 14:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*10/12/17 13:14*	*10/12/17 14:34*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*	*10/12/17 13:14*	*10/12/17 14:34*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*10/12/17 13:14*	*10/12/17 14:34*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-381517/1-A
Matrix: Solid
Analysis Batch: 381443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 381517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	54.6		ug/Kg		109	77 - 121
1,1,2,2-Tetrachloroethane	50.0	54.9		ug/Kg		110	80 - 120
1,1,2-Trichloroethane	50.0	53.0		ug/Kg		106	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.7		ug/Kg		109	60 - 140
1,1-Dichloroethane	50.0	52.3		ug/Kg		105	73 - 126
1,1-Dichloroethene	50.0	54.5		ug/Kg		109	59 - 125
1,2,4-Trichlorobenzene	50.0	54.6		ug/Kg		109	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	51.8		ug/Kg		104	63 - 124
1,2-Dichlorobenzene	50.0	51.2		ug/Kg		102	75 - 120
1,2-Dichloroethane	50.0	50.0		ug/Kg		100	77 - 122
1,2-Dichloropropane	50.0	52.5		ug/Kg		105	75 - 124
1,3-Dichlorobenzene	50.0	51.1		ug/Kg		102	74 - 120
1,4-Dichlorobenzene	50.0	50.4		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	291		ug/Kg		116	70 - 134
2-Hexanone	250	280		ug/Kg		112	59 - 130
4-Methyl-2-pentanone (MIBK)	250	272		ug/Kg		109	65 - 133
Acetone	250	294		ug/Kg		117	61 - 137
Benzene	50.0	53.3		ug/Kg		107	79 - 127
Bromodichloromethane	50.0	55.5		ug/Kg		111	80 - 122
Bromoform	50.0	57.4		ug/Kg		115	68 - 126
Bromomethane	50.0	47.4		ug/Kg		95	37 - 149
Carbon disulfide	50.0	55.9		ug/Kg		112	64 - 131
Carbon tetrachloride	50.0	58.9		ug/Kg		118	75 - 135
Chlorobenzene	50.0	52.1		ug/Kg		104	76 - 124
Dibromochloromethane	50.0	50.2		ug/Kg		100	76 - 125
Chloroethane	50.0	43.8		ug/Kg		88	69 - 135
Chloroform	50.0	51.8		ug/Kg		104	80 - 120
Chloromethane	50.0	40.6		ug/Kg		81	63 - 127
cis-1,2-Dichloroethene	50.0	53.8		ug/Kg		108	81 - 120
cis-1,3-Dichloropropene	50.0	55.3		ug/Kg		111	80 - 120
Cyclohexane	50.0	51.7		ug/Kg		103	65 - 120
Dichlorodifluoromethane	50.0	54.6		ug/Kg		109	57 - 142
Ethylbenzene	50.0	51.4		ug/Kg		103	80 - 120
1,2-Dibromoethane	50.0	56.0		ug/Kg		112	78 - 120
Isopropylbenzene	50.0	50.4		ug/Kg		101	72 - 120
Methyl acetate	100	109		ug/Kg		109	55 - 136
Methyl tert-butyl ether	50.0	53.8		ug/Kg		108	63 - 125
Methylcyclohexane	50.0	54.1		ug/Kg		108	60 - 140
Methylene Chloride	50.0	55.4		ug/Kg		111	61 - 127
Styrene	50.0	51.7		ug/Kg		103	80 - 120
Tetrachloroethene	50.0	56.0		ug/Kg		112	74 - 122
Toluene	50.0	51.5		ug/Kg		103	74 - 128
trans-1,2-Dichloroethene	50.0	54.8		ug/Kg		110	78 - 126
trans-1,3-Dichloropropene	50.0	53.3		ug/Kg		107	73 - 123
Trichloroethene	50.0	54.2		ug/Kg		108	77 - 129
Trichlorofluoromethane	50.0	53.7		ug/Kg		107	65 - 146
Vinyl chloride	50.0	46.7		ug/Kg		93	61 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-381517/1-A
Matrix: Solid
Analysis Batch: 381443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 381517

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Lab Sample ID: MB 480-382070/2-A
Matrix: Solid
Analysis Batch: 382131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 382070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,1-Dichloroethane	ND		100	31	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,1-Dichloroethene	ND		100	35	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,2-Dichloroethane	ND		100	41	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,2-Dichloropropane	ND		100	16	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
2-Butanone (MEK)	ND		500	300	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
2-Hexanone	ND		500	210	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Acetone	ND		500	410	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Benzene	ND		100	19	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Bromodichloromethane	ND		100	20	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Bromoform	ND		100	50	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Bromomethane	ND		100	22	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Carbon disulfide	ND		100	46	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Carbon tetrachloride	ND		100	26	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Chlorobenzene	ND		100	13	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Dibromochloromethane	ND		100	48	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Chloroethane	ND		100	21	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Chloroform	ND		100	69	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Chloromethane	ND		100	24	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Cyclohexane	ND		100	22	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Ethylbenzene	ND		100	29	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
1,2-Dibromoethane	ND		100	18	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Isopropylbenzene	ND		100	15	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Methyl acetate	ND		500	48	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Methylcyclohexane	ND		100	47	ug/Kg		10/16/17 16:26	10/17/17 12:39	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-382070/2-A
Matrix: Solid
Analysis Batch: 382131

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 382070

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		100	20	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Styrene	ND		100	24	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Tetrachloroethene	ND		100	13	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Toluene	ND		100	27	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Trichloroethene	ND		100	28	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Trichlorofluoromethane	ND		100	47	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Vinyl chloride	ND		100	34	ug/Kg		10/16/17 16:26	10/17/17 12:39	1
Xylenes, Total	ND		200	55	ug/Kg		10/16/17 16:26	10/17/17 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*50 - 149*	*10/16/17 16:26*	*10/17/17 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*10/16/17 16:26*	*10/17/17 12:39*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*10/16/17 16:26*	*10/17/17 12:39*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*10/16/17 16:26*	*10/17/17 12:39*	*1*

Lab Sample ID: LCS 480-382070/1-A
Matrix: Solid
Analysis Batch: 382131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 382070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2900		ug/Kg		116	68 - 130
1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	73 - 120
1,1,2-Trichloroethane	2500	2900		ug/Kg		116	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2810		ug/Kg		112	10 - 179
1,1-Dichloroethane	2500	3060	*	ug/Kg		122	78 - 121
1,1-Dichloroethene	2500	2610		ug/Kg		104	48 - 133
1,2,4-Trichlorobenzene	2500	2720		ug/Kg		109	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2030		ug/Kg		81	56 - 122
1,2-Dichlorobenzene	2500	2750		ug/Kg		110	78 - 125
1,2-Dichloroethane	2500	3300	*	ug/Kg		132	74 - 127
1,2-Dichloropropane	2500	3060	*	ug/Kg		122	80 - 120
1,3-Dichlorobenzene	2500	2810		ug/Kg		113	80 - 120
1,4-Dichlorobenzene	2500	2720		ug/Kg		109	80 - 120
2-Butanone (MEK)	12500	13900		ug/Kg		111	54 - 149
2-Hexanone	12500	16300	*	ug/Kg		130	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	14900		ug/Kg		119	74 - 120
Acetone	12500	11500		ug/Kg		92	47 - 141
Benzene	2500	2760		ug/Kg		110	77 - 125
Bromodichloromethane	2500	2720		ug/Kg		109	71 - 121
Bromoform	2500	2040		ug/Kg		82	48 - 125
Bromomethane	2500	2760		ug/Kg		111	39 - 149
Carbon disulfide	2500	2520		ug/Kg		101	40 - 136
Carbon tetrachloride	2500	2590		ug/Kg		103	54 - 135
Chlorobenzene	2500	2850		ug/Kg		114	76 - 126
Dibromochloromethane	2500	2400		ug/Kg		96	64 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-382070/1-A
Matrix: Solid
Analysis Batch: 382131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 382070

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	2500	3260		ug/Kg		131	23 - 150
Chloroform	2500	2810		ug/Kg		112	78 - 120
Chloromethane	2500	3050		ug/Kg		122	61 - 124
cis-1,2-Dichloroethene	2500	2610		ug/Kg		105	79 - 124
cis-1,3-Dichloropropene	2500	2660		ug/Kg		107	75 - 121
Cyclohexane	2500	3540	*	ug/Kg		142	49 - 129
Dichlorodifluoromethane	2500	2380		ug/Kg		95	10 - 150
Ethylbenzene	2500	2950		ug/Kg		118	78 - 124
1,2-Dibromoethane	2500	2650		ug/Kg		106	80 - 120
Isopropylbenzene	2500	2680		ug/Kg		107	76 - 120
Methyl acetate	5000	6270	*	ug/Kg		125	71 - 123
Methyl tert-butyl ether	2500	2580		ug/Kg		103	67 - 137
Methylcyclohexane	2500	2900		ug/Kg		116	50 - 130
Methylene Chloride	2500	2620		ug/Kg		105	75 - 118
Styrene	2500	2720		ug/Kg		109	80 - 120
Tetrachloroethene	2500	3170		ug/Kg		127	73 - 133
Toluene	2500	2750		ug/Kg		110	75 - 124
trans-1,2-Dichloroethene	2500	2630		ug/Kg		105	74 - 129
trans-1,3-Dichloropropene	2500	2680		ug/Kg		107	73 - 120
Trichloroethene	2500	2810		ug/Kg		112	75 - 131
Trichlorofluoromethane	2500	3110		ug/Kg		124	29 - 158
Vinyl chloride	2500	2820		ug/Kg		113	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*50 - 149*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*91*		*60 - 140*

GC/MS VOA

Analysis Batch: 381007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-1	SB-23 0.6-2FT	Total/NA	Solid	8260C	381053
480-125383-3	SB-25 0.6-2FT	Total/NA	Solid	8260C	381053
480-125383-4	SB-25 2-4FT	Total/NA	Solid	8260C	381053
MB 480-381053/21-A	Method Blank	Total/NA	Solid	8260C	381053
LCS 480-381053/1-A	Lab Control Sample	Total/NA	Solid	8260C	381053

Prep Batch: 381053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-1	SB-23 0.6-2FT	Total/NA	Solid	5035A_L	
480-125383-3	SB-25 0.6-2FT	Total/NA	Solid	5035A_L	
480-125383-4	SB-25 2-4FT	Total/NA	Solid	5035A_L	
MB 480-381053/21-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-381053/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 381443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-2	SB-24 0.6-2FT	Total/NA	Solid	8260C	381517
480-125383-5	SB-26 0.6-2FT	Total/NA	Solid	8260C	381517
480-125383-6	SB-27 4-6FT	Total/NA	Solid	8260C	381517
480-125383-7	SB-28 0.6-2FT	Total/NA	Solid	8260C	381517
480-125383-8	SB-29 0.6-2FT	Total/NA	Solid	8260C	381517
MB 480-381517/2-A	Method Blank	Total/NA	Solid	8260C	381517
LCS 480-381517/1-A	Lab Control Sample	Total/NA	Solid	8260C	381517

Prep Batch: 381483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-1 - DL	SB-23 0.6-2FT	Total/NA	Solid	5035A_H	
480-125383-3 - DL	SB-25 0.6-2FT	Total/NA	Solid	5035A_H	
480-125383-4 - DL	SB-25 2-4FT	Total/NA	Solid	5035A_H	
MB 480-381483/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-381483/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Prep Batch: 381517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-2	SB-24 0.6-2FT	Total/NA	Solid	5035A_L	
480-125383-5	SB-26 0.6-2FT	Total/NA	Solid	5035A_L	
480-125383-6	SB-27 4-6FT	Total/NA	Solid	5035A_L	
480-125383-7	SB-28 0.6-2FT	Total/NA	Solid	5035A_L	
480-125383-8	SB-29 0.6-2FT	Total/NA	Solid	5035A_L	
MB 480-381517/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-381517/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 381607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-381483/2-A	Method Blank	Total/NA	Solid	8260C	381483
LCS 480-381483/1-A	Lab Control Sample	Total/NA	Solid	8260C	381483

Analysis Batch: 381658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-1 - DL	SB-23 0.6-2FT	Total/NA	Solid	8260C	381483
480-125383-3 - DL	SB-25 0.6-2FT	Total/NA	Solid	8260C	381483

GC/MS VOA (Continued)

Analysis Batch: 381658 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-4 - DL	SB-25 2-4FT	Total/NA	Solid	8260C	381483

Prep Batch: 382070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-2 - DL	SB-24 0.6-2FT	Total/NA	Solid	5035A_H	
480-125383-5 - DL	SB-26 0.6-2FT	Total/NA	Solid	5035A_H	
MB 480-382070/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-382070/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 382131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-2 - DL	SB-24 0.6-2FT	Total/NA	Solid	8260C	382070
480-125383-5 - DL	SB-26 0.6-2FT	Total/NA	Solid	8260C	382070
MB 480-382070/2-A	Method Blank	Total/NA	Solid	8260C	382070
LCS 480-382070/1-A	Lab Control Sample	Total/NA	Solid	8260C	382070

General Chemistry

Analysis Batch: 381296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-125383-1	SB-23 0.6-2FT	Total/NA	Solid	Moisture	
480-125383-2	SB-24 0.6-2FT	Total/NA	Solid	Moisture	
480-125383-3	SB-25 0.6-2FT	Total/NA	Solid	Moisture	
480-125383-4	SB-25 2-4FT	Total/NA	Solid	Moisture	
480-125383-5	SB-26 0.6-2FT	Total/NA	Solid	Moisture	
480-125383-6	SB-27 4-6FT	Total/NA	Solid	Moisture	
480-125383-7	SB-28 0.6-2FT	Total/NA	Solid	Moisture	
480-125383-8	SB-29 0.6-2FT	Total/NA	Solid	Moisture	

Client Sample ID: SB-23 0.6-2FT — **Lab Sample ID: 480-125383-1**
Date Collected: 10/05/17 10:45 — **Matrix: Solid**
Date Received: 10/05/17 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-23 0.6-2FT — **Lab Sample ID: 480-125383-1**
Date Collected: 10/05/17 10:45 — **Matrix: Solid**
Date Received: 10/05/17 18:20 — **Percent Solids: 84.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381053	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381007	10/10/17 16:13	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		381483	10/12/17 11:14	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	8	381658	10/13/17 19:28	AMM	TAL BUF

Client Sample ID: SB-24 0.6-2FT — **Lab Sample ID: 480-125383-2**
Date Collected: 10/05/17 11:30 — **Matrix: Solid**
Date Received: 10/05/17 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-24 0.6-2FT — **Lab Sample ID: 480-125383-2**
Date Collected: 10/05/17 11:30 — **Matrix: Solid**
Date Received: 10/05/17 18:20 — **Percent Solids: 92.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381517	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381443	10/12/17 20:37	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		382070	10/16/17 16:26	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	40	382131	10/17/17 19:20	AMM	TAL BUF

Client Sample ID: SB-25 0.6-2FT — **Lab Sample ID: 480-125383-3**
Date Collected: 10/05/17 12:00 — **Matrix: Solid**
Date Received: 10/05/17 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-25 0.6-2FT — **Lab Sample ID: 480-125383-3**
Date Collected: 10/05/17 12:00 — **Matrix: Solid**
Date Received: 10/05/17 18:20 — **Percent Solids: 86.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381053	10/06/17 01:30	CDC	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Client Sample ID: SB-25 0.6-2FT
Date Collected: 10/05/17 12:00
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-3
Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	381007	10/10/17 17:04	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		381483	10/12/17 11:14	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	100	381658	10/13/17 19:55	AMM	TAL BUF

Client Sample ID: SB-25 2-4FT
Date Collected: 10/05/17 12:00
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-25 2-4FT
Date Collected: 10/05/17 12:00
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-4
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381053	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381007	10/10/17 17:30	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		381483	10/12/17 11:14	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	25	381658	10/13/17 20:22	AMM	TAL BUF

Client Sample ID: SB-26 0.6-2FT
Date Collected: 10/05/17 12:55
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-26 0.6-2FT
Date Collected: 10/05/17 12:55
Date Received: 10/05/17 18:20

Lab Sample ID: 480-125383-5
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381517	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381443	10/12/17 21:03	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		382070	10/16/17 16:26	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	5	382131	10/17/17 19:47	AMM	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Client Sample ID: SB-27 4-6FT
Lab Sample ID: 480-125383-6
Date Collected: 10/05/17 13:45
Matrix: Solid
Date Received: 10/05/17 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-27 4-6FT
Lab Sample ID: 480-125383-6
Date Collected: 10/05/17 13:45
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381517	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381443	10/12/17 21:28	CDC	TAL BUF

Client Sample ID: SB-28 0.6-2FT
Lab Sample ID: 480-125383-7
Date Collected: 10/05/17 14:10
Matrix: Solid
Date Received: 10/05/17 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-28 0.6-2FT
Lab Sample ID: 480-125383-7
Date Collected: 10/05/17 14:10
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381517	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381443	10/12/17 21:54	CDC	TAL BUF

Client Sample ID: SB-29 0.6-2FT
Lab Sample ID: 480-125383-8
Date Collected: 10/05/17 15:40
Matrix: Solid
Date Received: 10/05/17 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	381296	10/11/17 12:36	CDC	TAL BUF

Client Sample ID: SB-29 0.6-2FT
Lab Sample ID: 480-125383-8
Date Collected: 10/05/17 15:40
Matrix: Solid
Date Received: 10/05/17 18:20
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			381517	10/06/17 01:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	381443	10/12/17 22:19	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: LaBella Associates DPC
Project/Site: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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: Phase 2 - 11075 Walden Avenue, Alden, NY

TestAmerica Job ID: 480-125383-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-125383-1	SB-23 0.6-2FT	Solid	10/05/17 10:45	10/05/17 18:20
480-125383-2	SB-24 0.6-2FT	Solid	10/05/17 11:30	10/05/17 18:20
480-125383-3	SB-25 0.6-2FT	Solid	10/05/17 12:00	10/05/17 18:20
480-125383-4	SB-25 2-4FT	Solid	10/05/17 12:00	10/05/17 18:20
480-125383-5	SB-26 0.6-2FT	Solid	10/05/17 12:55	10/05/17 18:20
480-125383-6	SB-27 4-6FT	Solid	10/05/17 13:45	10/05/17 18:20
480-125383-7	SB-28 0.6-2FT	Solid	10/05/17 14:10	10/05/17 18:20
480-125383-8	SB-29 0.6-2FT	Solid	10/05/17 15:40	10/05/17 18:20

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

188030

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

480-125383 COC

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Adam Zebrowski	Site Contact:	Date:	COC No:
Company Name: LaBella Associates	Tel/Fax: azebrowski@labellapc.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 300 Pearl St	Analysis Turnaround Time			Sampler:
City/State/Zip: Buffalo /NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 716-710-3043	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: 11075 Walden Ave				Job / SDG No.:
Site: 11075 Walden Ave Alden NY				
PO# 2171935				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
SB-23 0.6-2ft	10/5/17	10:45	G	Soil	4			X	
SB-24 0.6-2 ft	10/5/17	11:30	G	Soil	4			X	
SB-25 0.6-2 ft	10/5/17	12:00	G	Soil	4			X	
SB-25 2-4 ft	10/5/17	12:00	G	Soil	4			X	
SB-26 0.6-2 ft	10/5/17	12:55	G	Soil	4			X	
SB-27 4-6 ft	10/5/17	13:45	G	Soil	4			X	
SB-28 0.6-2 ft	10/5/17	14:10	G	Soil	4			X	
SB-29 0.6-2 ft	10/5/17	15:40	G	Soil	4			X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2.8 #1

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 2.8 Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Shawn Dalba	LaBella Associates	10/5/17/18:20		TAS	10/5/17 1820
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-125383-1

Login Number: 125383
List Number: 1
Creator: Williams, Christopher S

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 (Excluding tests with immediate HTs)..	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.	True	
Sample Preservation Verified	True	FREEZER ON 06OCT2017 @ 0130
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
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.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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APPENDIX 2

Qualifications

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LaBella Project Personnel

LaBella Staff Member	Title	Phone Number
Greg Senecal	Environmental Director	585-295-6243
Rob Napieralski	Environmental Operations Manager	716-551-6283
Adam Zebrowski	Project Manager	716-840-2548
Daniel Noll	Design Team Leader	585-295-6611
Chris Kibler	Senior Environmental Analyst	716-768-3184
Richard Rote	Health and Safety Director	585-295-6241
Shannon Dalton	Environmental Analyst	716-710-3043

GREG SENECAL

Director, Environmental Division

Greg is Director of Environmental Services and is a Certified Hazardous Materials Manager responsible for the direction of all environmental investigation projects undertaken by the firm. He has over 25 years of experience in designing, managing, and conducting numerous site assessments, remedial projects, Brownfield redevelopment projects, groundwater monitoring well installations, test pit excavations, underground petroleum storage tank removals, and spill cleanups. Greg coordinates staffing and client relationships for many of the firm's environmental clients. This effort includes working closely with the client, and forming the best technical project teams for the diverse array of environmental consulting and engineering services offered by the firm.

CHMM

Certified Hazardous Materials Manager

EDUCATION

State University of New York at Syracuse, School of Environmental Science and Forestry: BS, Environmental Science

State University of New York at Cobleskill: AAS, Fisheries and Wildlife Technology

CERTIFICATION/ REGISTRATION

Certified Hazardous Materials Manager

Certified Hazardous Waste Operations & Emergency Response (40-Hour OSHA Health and Safety Training 29)

PHASE I/II INTRO:

As Director of Environmental Services, Greg is responsible for the direction of all environmental investigation projects undertaken by the firm. Greg has over 25 years of experience scoping, scheduling, and reviewing Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, and remedial efforts undertaken by the firm. Greg is a Certified Hazardous Materials Manager (CHMM) and has extensive experience in the field of Environmental Management relating to Phase I and Phase II Environmental Site Assessments, remediation, and environmental compliance evaluations. Greg has conducted or supervised over 3,000 Phase I Environmental Site Assessments and over 1,500 Phase II Environmental Site Assessments, as the firm has averaged performing 550 assessments per year.

Ithaca Chainworks: Brownfield Redevelopment Project - Ithaca, NY

Greg has designed all of the purchasers environmental due diligence efforts for this project. The Chainworks project involves the purchase and redevelopment of Ithaca's largest Industrial Complex. The project Site is a state superfund listed property that encompasses 98 acres and houses 900,000 of vacant industrial building space. Greg worked very closely with the purchaser and the purchasers environmental legal team to negotiate with the seller and the NYSDEC. The out come of these negotiations was an agreement to hold the purchaser harmless for the contamination that exists at the property. An agreement was designed and signed by the seller, that requires the seller to conduct all environmental clean up to meet restricted residential levels. Cleanup has been ongoing since the late 1990's and is expected to be complete in approximately twenty years.

Monoco Oil Brownfield Cleanup & Redevelopment - Pittsford, NY

Greg has been responsible for

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directing all environmental services associated with the NYSDEC Brownfield Cleanup Program for this project. This complex environmental project involves the cleanup and demolition of a 20-acre blighted vacant oil refinery. The redevelopment plan for the project includes redevelopment of an upscale waterfront apartment and town home complex along the Canal. Greg has conducted NYSDEC, NYSDOH, and local negotiations for many aspects of the project. Public participation and communication has been paramount to the project success.

Former Emerson Street Landfill: Redevelopment Programs - Rochester, NY

Greg is Client Manager for these studies which have been ongoing for the past 15 years. Greg functions a liaison between the City of Rochester and the owners of 66 buildings that have been constructed on the 260 acre landfill footprint. Tasks include:

-Development of environmental cost premiums for projects that are being completed on the landfill;

-Development of a fill management protocol for redevelopment projects;

-Direction of soil vapor intrusion studies as required by the NYSDEC for the 66 buildings that have been redeveloped on the landfill footprint;

-Formation of technical teams to design sub slab soil vapor mitigation systems for buildings and building additions that are being constructed on the landfill footprint;

-Directed environmental efforts for the expansion at a City of Rochester High School that is located on the landfill footprint.

Monroe County Environmental Testing Term Agreement Monroe County, NY

As Director of Environmental Services, Greg has been responsible for the successful completion of over 12 years of term agreements (with annual renewals) for hazardous materials inspection and abatement design with Monroe County. Greg's responsibilities typically include meeting with the County, understanding the needs of the environmental project and forming the best possible project team to meet the County's needs. Recent assignments include environmental evaluation of three Sites for the County Crime Lab, and the asbestos inspection, design, and abatement monitoring for a New Downtown Monroe Community College Campus at a former Kodak headquarters building.

City of Rochester: Brownfield Assistance Program Term Agreement (4 Consecutive Terms) - Rochester, NY

Greg serves as the Client Manager who directs all of the projects under the term. Projects range from Phase I Environmental Site Assessments to Site Characterizations, Remedial Cost Estimates, and Brownfield Cleanups. Greg works with the City and the individual property owner to design and implement investigative programs and evaluate clean up and redevelopment options.

690 St. Paul Street: NYSDEC Brownfield Cleanup Project - Rochester, NY

Greg is serving as the project director for this multi-faceted Brownfield investigation and cleanup project. Greg acts as the liaison between the building owners, the former owner (Bausch & Lomb), the Building tenant (City of Rochester School District), and the numerous regulatory agencies involved in the project. This project includes a large SVI investigation, design and installation of a SVI mitigation system, monthly performance monitoring of indoor, sub slab, and exterior air, and communication of the above results to the agencies, tenants, and various stakeholder groups this project also included several IRM's for the removal of orphan tanks and petroleum impacted soils. The RI is currently focusing on the identification and delineation of suspected TCE plumes on the property and under the building structures.

Buffalo Avenue Industrial Corridor Brownfield Opportunity Area: Pre-Nomination Study - Niagara Falls, NY

Greg served as the project director for this 1500 acre, 2500 industrial parcel Brownfield Opportunity Area Project. Greg coordinated the effort between LaBella's Planning and environmental division. He also oversaw the schedule and public outreach components of the project.

Vacuum Oil/South Genesee Brownfield Opportunity Area: Pre-Nomination Study - Rochester, NY

Director of the Project Team for the City of to prepare a pre-nomination study for the proposed Vacuum Oil-South Genesee River Corridor Brownfield Opportunity Area. LaBella developed mapping that allowed for the Brownfield

Opportunity Area boundaries to be established in a logical manner at the 56 acre 1.2 mile long corridor along the Genesee River. LaBella conducted economic and demographic research for the project site and gathered zoning, occupancy, and environmental information for potential underutilized Brownfield properties within the BOA.

Oswego River Corridor BOA - Oswego County, NY

Environmental Division Director for this 1,300 acre BOA on the Lake Ontario and Oswego River waterfronts. The project will focus on opportunities to redevelop strategic sites on the waterfront, downtown and underutilized or contaminated brownfields.

Town of Tonawanda: Tonawanda BOA - Tonawanda, NY

Environmental Division Director responsible for technical environmental services for this 1,000 acre BOA on the Niagara River.

Foster Wheeler Plant: Site Characterization - Dansville, NY

Project Manager for this due diligence investigation, which consisted of a complete Phase I Environmental Site Assessment and Phase II Site Characterization.

Port of Rochester Redevelopment Project: Phase II Site Characterization - Rochester, NY

Project Manager for complete Phase II Site Characterization, which involved sub surface characterization of approximately 38 acres. Greg directed the environmental team who received a beneficial re-use determination to re use 80,000 cubic yards of iron foundry slag as on site fill.

Bureau of Water, Lighting, & Parking Meter Operations - Rochester, NY

Greg served as Client Manager to remediate the Water Bureau site to obtain regulatory closure or inactivation. The project scope includes the redevelopment of the current site for reuse as a new facility for the operations center.

CSXT Train Derailment & Hazardous Materials Spill - Rochester, NY

Project Manager responsible for review of all delineation reports, implementation of additional delineation studies, review of remedial work plans, and oversight of all facets of the execution of IRM as it related to achieving a cleanup that would limit long term liability for the City and allow for the planned redevelopment to occur.

Rochester Rhinos Stadium: Brownfield Redevelopment - Rochester, NY

Greg served as Project Manager of the NYSDEC Voluntary Cleanup of this prominent urban redevelopment site. The voluntary clean was based around a soils management plan approach that included the re-use of approximately sixty thousand yards of low level petroleum contaminated soils as on site fill under parking lots and in landscaped berm areas of the property.

Seneca Nation: USEPA Brownfield Cleanup Grant

Client Manager responsible for the preparation of a USEPA funded Brownfield Cleanup. The site consists of a vacant rail yard that is contaminated with diesel fuel and heavy metals. The cleanup involves removal and ex-situ bio-remediation of petroleum impacted soils and an environmental management approach that allows for the re-use of railroad ballast and shallow soil impacted with low levels of heavy metals and semi volatile organic compounds as fill under paved parking lots.

NYSDOT: Hazardous Waste Projects, Region 4, Region 5 - State of New York

Project Manager responsible for the development of a characterization workplan to satisfy City, NYSDEC, NYSDOH, MCEMC, and NYSDOT requirements, and implementation of a multiple phase work plan including: shallow soil sampling, test pitting, drilling, geo-probing, and groundwater monitoring well installation. Greg also served as the environmental liaison between LaBella Associates, the NYSDOT, the NYSDEC, and the City of Rochester. In addition, he provided direction of investigative and remedial work and evaluation of contamination levels and impacts. Greg was responsible for final report preparation for the City and the NYSDEC.

Automotive Service Center: Voluntary Cleanup Investigation - Rochester, NY

Project Manager responsible for the delineation of an area of impairment for the client, and the release of future environmental liability for the client from the NYSDEC.

Pennsylvania Act II Site

ROBERT NAPIERALSKI

Buffalo Regional Manager

Rob is the Buffalo Regional Manager for Environmental Services. With more than 25 years of professional consulting experience for public and private sector clients involving a wide range of environmental, infrastructure and transportation projects, his background includes extensive experience with: SEQRA/NEPA compliance and documentation, Regulatory compliance and permitting, Environmental due diligence assessments, Brownfield investigation, remediation and redevelopment, Solid waste management facility permitting and monitoring, Municipal infrastructure planning, design and construction, and Locally administered, federally funded transportation projects.

Responsibilities include project management, business development and client management.

CPG

Certified professional Geologist

EDUCATION

Boston University: BA, Geology (Hydrogeology)

ORGANIZATIONS

American Institute of Professional Geologists

Association of Groundwater Scientists and Engineers

Petroleum Brownfields Inventory -Niagara County, NY

Principal-in-Charge for the preparation of an inventory of petroleum Brownfield sites throughout Niagara County under a USEPA assessment grant. The work included review of existing Brownfield databases and state and federal records; community outreach; surveys of municipalities; conversion of the inventory into GIS; and preparation of site evaluation worksheets for identified sites. The site evaluation worksheets were ultimately used to rank sites for prioritization for funding environmental site assessments with the remainder of the County's USEPA grant and other grant programs.

Brownfield Cleanup Program RI/AA, A&A Metals Site - Perry, NY

Principal/Project Manager for the investigation of former industrial site under the Brownfield Cleanup Program (BCP). The site is located along the Silver Lake outlet, functioned as a metal tank manufacturing facility for over 50 years and is currently slated for redevelopment as an alternative energy incubator. Rob was responsible for the management of technical staff and subcontractors, completion of the risk assessment, technical review of project deliverables and communications with the Client and NYSDEC.

Brownfield Redevelopment Project, Covanta Rail-to-Truck Intermodal Facility - Niagara Falls, NY

Project Manager for the accelerated investigation, remediation and redevelopment of a 15-acre former industrial site for use as a Rail-to-Truck Intermodal Facility (RTIF). The project is being advanced under the Brownfield Cleanup Program (BCP) and has involved the completion of a Remedial Investigation (RI); development of a NYSDEC-approved Remedial Action Work Plan to address a

range of contamination, including radioactive slag; obtaining site plan approval for the proposed development; and completing site and architectural design of the RTIF. The remedial design and site design efforts were fully integrated to produce a cleanup plan that dovetails with the site development plan and optimizes the project schedule.

Chautauqua County: Brownfield Assessment, Demonstration Pilot Program - Chautauqua County, NY

Responsible for the management of programmatic and technical services provided in support of this EPA Brownfield Pilot Program under a multi-year contract. Duties included the management of technical staff and subcontractors involved in the assessment, investigation, and remedial planning for multiple Brownfield sites. Responsibilities also included participation in the County's Brownfield Task Force and community involvement program, as well as assisting the County with the preparation of quarterly progress reports for submittal to EPA. Project required extensive communication with regulatory personnel from EPA and NYSDEC, as well as public officials and agencies. (E13/200)

Niagara Region Brownfield Coalition: Grant Management Services

Principal-in-Charge for a multi-year contract to assist the Niagara Region Brownfield Coalition (NRBC), consisting of the Cities of Buffalo and Niagara Falls and Erie and Niagara Counties, with the management and implementation of a USEPA-funded Brownfield Showcase Community Grant. Responsible for providing programmatic and site specific technical and strategic assistance to coalition members relative to site prioritization and assessment, funding and regulatory programs, and community/agency outreach.

Brownfield Opportunity Area: Step 1 Pre-Nomination Study - City of Dunkirk, NY

Principal-in-Charge for the BOA Pre-Nomination Study which focused on a large former steel manufacturing complex within the City of Dunkirk. The scope of the Step 1 BOA program includes identifying a manageable study area; completing community outreach activities; completing an inventory of Brownfield sites; identifying current and historic uses of the study area; describing current conditions within the proposed BOA; and assembling a vision for the successful redevelopment of the area. Responsible for general oversight of contractual, budgetary, scheduling and quality assurance/quality control aspects of the project, as well as periodic communications with the client, NYSDOS and NYSDEC.

Brownfield Opportunity Area: Step 1 Pre-Nomination Study - City of Olean, NY

Principal-in-Charge for the BOA Pre-Nomination Study that focuses on a 500-acre area within the northwestern portion of the City of Olean that was formerly occupied by a large petroleum refinery complex. The scope of the Step 1 BOA program includes identifying a manageable study area; completing community outreach activities; completing an inventory of Brownfield sites; identifying current and historic uses of the study area; describing current conditions within the proposed BOA; and assembling a vision for the successful redevelopment of the area. Additionally, the work includes the preparation of conceptual redevelopment plans to assist with the advancement of the remediation of a portion of the study area by a responsible private party. Responsible for general oversight of contractual, budgetary, scheduling and quality assurance/quality control aspects of the project, as well as periodic communications with the client, NYSDOS and NYSDEC.

Brownfield Opportunity Area: Step 2 Nomination Study - City of Lackawanna, NY

Principal/Project Manager for the BOA Nomination study focusing on 2,000-acres that encompass the former Bethlehem Steel site and First Ward of the City of Lackawanna. Responsible for the management of technical staff and subconsultants involved in environmental and infrastructure analysis, market and economic studies, conceptual planning efforts, and stakeholder and public consultation.

Brownfield Opportunity Area: Step 2 Nomination Study, Highland Area - City of Niagara Falls, NY

Principal-in-Charge for the environmental and infrastructure characterization and analysis portion of an area-wide redevelopment planning study of the Highland Area of Niagara Falls. Assisted the City with a successful BOA grant application, providing $375,000 to complete a redevelopment plan for this 560-acre area community that contains a high concentration of Brownfield sites. As a

subconsultant to an international planning firm, analyzed environmental and infrastructure constraints and opportunities to assist in the development of the redevelopment plan.

Brownfield Opportunity Area: Step 1 Pre-Nomination Study, Chadakoin River Corridor - City of Jamestown, NY

Principal-in-Charge for characterization and preliminary analysis of redevelopment opportunities within a 600-acre segment of the Chadakoin River corridor, which extends through the industrial spine of the City of Jamestown. Responsible for guiding community and stakeholder outreach programs, efforts to characterize existing conditions within the project corridor and the analysis of redevelopment opportunities and constraints.

Brownfield Opportunity Area: Step 1 Pre-Nomination Study - City of Lockport, NY

Principal-in-Charge for the BOA Pre-Nomination Study that focuses on the two primary stream corridors in the City of Lockport: the Erie Canal and 18-Mile Creek. The scope of the Step 1 BOA program includes identifying a manageable study area; completing community outreach activities; completing an inventory of Brownfield sites; identifying current and historic uses of the study area; describing current conditions within the proposed BOA; and assembling a vision for the successful redevelopment of the area. Responsible for general oversight of contractual, budgetary, scheduling and quality assurance/quality control aspects of the project, as well as periodic communications with the client, NYSDOS and NYSDEC.

Brownfield Redevelopment Feasibility Study, Former ALCO Complex - Dunkirk, NY

Project Manager for the analysis of redevelopment potential for the 30-acre site of a former locomotive manufacturing complex. Project involved the building condition assessment of a 300,000 SF building complex to determine potential for rehabilitation and/or adaptive reuse, as well as the comparative analysis of demolition and rehabilitation costs. Project also included the development of conceptual site plans for several reuse alternatives, and coordination of strategic planning process to identify critical issues (e.g., funding shortfalls, environmental liability, flow of ownership complications) and strategies for addressing said issues.

Brownfield Reuse Assessment: Flintkote Complex - Lockport, NY

Project Manager for the assessment of an abandoned manufacturing complex to determine the potential for reuse of the remaining structures. Project involved a structural evaluation and development of order of magnitude cost estimates for the rehabilitation of portions of the building complex. Recommendations and cost estimates for asbestos abatement and demolition were ultimately made.

Niagara Metals Facility: Brownfield Redevelopment - Niagara Falls, NY

Principal-in-Charge for the first phase of redevelopment of the 53-acre former Airco Speer Carbon Graphite site in the City of Niagara Falls, NY. Obtained site plan approval and special use permit to construct the new headquarters and recycling facility for Niagara Metals on this Class 3 Inactive Hazardous Waste Site. Project required the review and evaluation of historical environmental reports, coordination with the NYSDEC Division of Environmental Remediation, SEQRA documentation, site plan preparation and presentation to the City Planning Board.

Assessment of Brownfield Site - Brocton, NY

Project Manager for the Phase I ESA and asbestos and lead-based paint survey of a 100,000 SF former food processing facility. This work was performed in conjunction with the potential remediation, demolition and redevelopment of the property. It served as the basis for the development of a 1996 Clean Water/Clean Air Bond Act Environmental Restoration Project Application for Investigation submitted to the NYSDEC on behalf of the County.

Brownfield Site Evaluation, Abandoned Steel Plant Complex - Lackawanna, NY

Responsible for the evaluation of a former fully integrated steel plant that encompasses more than 1,000 acres along the waterfront to the south of Buffalo. Technical responsibilities include the review of existing site data to define site conditions and the magnitude and extent of contamination, chemicals and wastes. Duties also include determination of probable cleanup levels, and

the oversight of technical staff involved in the screening of remedial alternatives, remedial cost estimating, and reporting. Responsibilities also include expert testimony and analysis of potential funding opportunities via insurance asset recovery.

Phase I/II Environmental Site Assessments, Brownfield Pilot Sites - Niagara Falls, NY

Project Manager for the Phase I/II ESAs of two Brownfield sites funded via a Supplemental EPA Brownfield Assessment Demonstration Pilot. The Phase I ESAs were performed in accordance with ASTM E-1527, while the Phase II ESAs were in accordance with site-specific work plans prepared pursuant to EPA requirements. Responsible for client and regulatory communications, public meetings, management of technical staff and subcontractors, and technical review of project deliverables (e.g., work plans, health and safety plans, ESA reports).

Phase II Environmental Site Assessment, Brownfield Site Jamestown, NY

Project Manager for the Phase II ESA of the site of a former metal office furniture manufacturing complex located in the main industrial corridor of the City of Jamestown. This project involved the drilling and installation of seven monitoring wells and the collection and chemical analysis of groundwater, soil, and river sediment samples. Negotiated a No Further Action letter from the NYSDEC to facilitate site redevelopment.

Phase II Environmental Site Assessment, Brownfield Site Jamestown, NY

Project Manager for the Phase II ESA of a former furniture manufacturing facility site located in the main industrial corridor of the City of Jamestown. This project involved the investigation of potential impacts to groundwater following the discovery and removal of a number of leaking fuel oil USTs. The results of this investigation were utilized to verify the successful completion of site remediation activities and clear the site for redevelopment.

Remedial Investigation/ Alternatives Analysis (RI/AA) Program, Edgewood Warehouse: - Dunkirk, NY

Principal-in-Charge for the RI/AA of a former locomotive manufacturing facility advanced under the New York State Environmental Restoration Program (ERP). The scope of the RI program includes the characterization of potentially contaminated fill, soil, sediments, building materials and groundwater. The project also involves the identification and detailed analysis of remedial alternatives available to address the affected media.

Remedial Investigation/ Alternatives Analysis (RI/AA) and Interim Remedial Measures (IRMs), Electruk Site -Town of Lockport, NY

Principal-in-Charge for the implementation of an RI/AA program and IRMs at a former battery manufacturing facility advanced under the New York State Environmental Restoration Program (ERP). The scope of the RI program included the characterization of soil, sediment, surface water, and groundwater potentially contaminated with lead and VOCs. The project also involved the identification and detailed analysis of remedial alternatives available to address the affected media. The IRM activities included the removal of contaminated sediment and water and the closure of drainage features.

Remedial Investigation/ Alternatives Analysis Program (RI/AA), Former Niagara Motors Site - Dunkirk, NY

Quality Assurance Officer for the RI/AA of an abandoned four-acre site formerly utilized for the manufacture of marine engines. Project is being performed under the New York State Environmental Restoration Program (ERP). Responsibilities include review of project Quality Assurance Plan, implementation of project audits, Quality Assurance reviews of project staff and subcontractors involved in site characterization and remedial alternatives analysis, as well as client and regulatory communications. Duties also include technical review of project plans, reports and estimates.

Remedial Investigation/ Alternatives Analysis Program (RI/AA), Former Felmont Oil Site - Olean, NY

Quality Assurance Officer for the RI/AA of a 22-acre former oil refining, storage, and distribution facility under the New York State Environmental Restoration Program (ERP). The scope of the RI program includes a passive soil gas survey, a geophysical survey, and the characterization of potentially contaminated fill, soil, groundwater, surface water, and sediment. The project involves the identification and detailed analysis of remedial alternatives

available to address the affected media. Responsibilities included client and regulatory communications, implementation of community involvement plan, coordination of project staff and subcontractors, and technical review of project plans and reports.

Remedial Investigation/ Alternatives Analysis (RI/AA) Program, Youngstown Cold Storage - Youngstown, NY

Principal-in-Charge for the RI/AA of a former apple storage facility adjacent to a public park that is being advanced under the New York State Environmental Restoration Program (ERP). The scope of the RI program included the characterization of fill, soil, and groundwater potentially contaminated with arsenic and PCBs, and building materials that contain asbestos. The project involves the identification and detailed analysis of remedial alternatives available to address the affected media. Responsibilities included client and regulatory communications, and the technical review of project plans and reports.

Remedial Investigation/ Alternatives Analysis Program (RI/AA), Former C&B Dry Cleaner Site - Jamestown, NY

Principal-in-charge for the RI/AA of an abandoned commercial site formerly occupied by a dry cleaning facility. Project was performed under the New York State Environmental Restoration Program (ERP) and involved the onsite and offsite delineation of subsurface PCE contamination, implementation of an IRM to address vapor intrusion in a neighboring business, and the development of a remedy consisting of soil removal and insitu treatment. Responsibilities included the technical review of project plans, reports and estimates, as well as extensive interaction with regulatory officials.

Remedial Investigation/ Alternatives Analysis (RI/AA) and Interim Remedial Measures (IRM) Program, Bristol Avenue Site - Lockport, NY

Principal-in-Charge for the implementation of an RI/AA and IRM program at a commercial site that formerly contained petroleum bulk storage (PBS) facilities. Project is being advanced under the New York State Environmental Restoration Program (ERP) and involves the delineation of subsurface petroleum contamination, implementation of an IRM to remove petroleum-contaminated soil, and the selection of a long term remedy that is supportive of reuse of the site for commercial purposes.

Chautauqua County Department of Public Facilities Site Investigation/Remedial Alternatives Report (SI/RAR), Brownfield Site - Dunkirk, NY

Project Manager for the SI/RAR of an abandoned 12-acre site utilized for heavy industrial purposes since the early 1900s. This project was completed under the New York State Environmental Restoration Program (ERP). The scope of the SI program included a radiological survey and the characterization of fill, soil, groundwater, surface water, building components, and drainage systems contaminated with chlorinated solvents, PCBs and lead. The project involved the identification and detailed analysis of remedial alternatives available to address the affected media. Responsibilities included client and regulatory communications, implementation of community involvement plan, technical and administrative oversight of project staff and subcontractors, technical review of project plans and reports. Duties also included the coordination of efforts to obtain cleanup funding via insurance asset recovery.

Site Investigation/Remedial Alternatives Report (SI/RAR), Former Industrial Site - Buffalo, NY

Quality Assurance Officer for the SI/RAR of a 16-acre site formerly occupied by a fertilizer manufacturing facility and later developed as a public park. This project was completed under the NYS ERP. Responsibilities include technical and administrative oversight of project staff and subcontractors involved in site characterization and remedial alternatives analysis, as well as client and regulatory communications. Duties also include technical review of project plans, reports and estimates.

Site Investigation/Remedial Alternatives Report (SI/RAR), Flintkote Site - Lockport, NY

Project Manager for the SI/RAR of an abandoned six-acre site utilized for industrial purposes since the 1880s. This project was completed under the NYS ERP. Responsibilities include technical and administrative oversight of project staff and subcontractors involved in site characterization and remedial alternatives analysis, as well as client and regulatory communications.

Duties also include technical review of project plans, reports and estimates, and analysis of potential funding opportunities via insurance asset recovery. Project also requires close communication with County planning agency to ensure integration of end use planning and remedial alternative selection.

Site Investigation/Remedial Alternatives (SI/RAR) Report, Brownfield Site - Brocton, NY

Project Manager for the SI/RAR of a former food processing facility under the New York State Environmental Restoration Program (ERP). This project involved the investigation of soil, fill, groundwater, building surfaces and components, and drainage systems at this 70,000 SF facility, as well as the evaluation of appropriate remedial alternatives to address contamination identified in on-site fill and drainage systems. Responsibilities included client and regulatory communications, technical and administrative oversight of project staff and subcontractors, and technical review of project plans and reports.

Site Investigation/Remedial Alternatives Report (SI/RAR), Brownfield Site - Town of Ellicott, NY

Project Manager for the SI/RAR for an abandoned industrial site in Chautauqua County, NY under the Brownfield Program. Assisted municipal representatives with the preparation of a complete application for State financial assistance through the assembly of a Statement of Work (SOW) and detailed cost estimate that was approved by the NYSDEC, Division of Environmental Remediation. Also responsible for the design of the site investigation program and the management of technical staff involved in the preparation of the SI/RAR Work Plan, including the Field Sampling Plan, QA/QC Plan, Health and Safety Plan, and Citizen Participation Plan.

Buffalo Niagara International Airport (BNIA): Remedial Action Summary Report, Landside Expansion Project - Cheektowaga, NY

Responsible for managing the preparation of the post-construction, remedial action summary report for the BNIA east access improvements and parking expansion project, much of which was constructed on a NYSDEC Inactive Hazardous Waste Site, the former Westinghouse Site. The report was submitted to the NYSDEC to certify that remedial activities conducted in connection with soil and groundwater contamination encountered during construction of new access roads and parking areas were conducted in accordance with applicable standards, criteria and/or guidance.

Assessment, Remediation and Demolition, Brownfield Site - Jamestown, NY

Project Manager for the assessment and demolition of a 150,000 SF abandoned manufacturing facility. Project involved a Phase I ESA of the property and pre-demolition inspection of a building complex comprised of six structures. Responsibilities included the preparation of plans and specifications for environmental remediation, asbestos abatement and building demolition, bid administration, and monitoring of contractor activities.

Remedial Construction Administration and Oversight, Former Welch Foods Site - Brocton, NY

Principal-in-Charge responsible for the remediation and demolition of a former food processing facility. The $1.2M project is being completed under the New York State Environmental Restoration Program (ERP). The work includes the demolition of the existing building, the cleanup of contaminated sediments and soil, and the removal of asbestos-containing materials.

Remedial Design/Remedial Construction, Former Roblin Steel Site - Dunkirk, NY

Principal-in-Charge for $1.5M cleanup of former steel plant site under the New York State Environmental Restoration Program (ERP). Project was completed in two phases involving the removal of contaminated soil and fill, insitu groundwater remediation of chlorinated solvents and placement of a soil cover system.

Remedial Design and Oversight, Franczyk Park - Buffalo, NY

Principal-in-Charge for the implementation of a Pre-Design Investigation; the preparation of the Remedial Action Work Plan, contract documents, and technical specifications; and the oversight and administration of the remediation of this 16-acre Brownfield site. The work is being completed under a New York State Environmental Restoration Program (ERP) grant. The remediation includes soil excavation and off-site disposal,

installation of an interceptor trench, the placement of a clean soil cover, and the design and installation of new park equipment.

Jamestown Gateway Intermodal Station and Visitor Center: Riverwalk Connector Trail - Jamestown, NY

Principal-in-Charge for preliminary/final design and construction phases of this locally administered federal aid project involving the rehabilitation of a national historic register-listed train station and extension of a recreational trail along the Chadakoin River in the City of Jamestown. Project required intense coordination with multiple funding and approval agencies including, FHWA, FTA, NYSDOT and SHPO. Design and environmental approvals were hinged on the negotiation of a Programmatic Agreement relative to historic preservation elements, and were obtained within a 6-month timeframe to meet funding program requirements.

Niagara County Community College: New Entrance Road Sanborn, NY

Principal-in-Charge for the design of a new 2,900 LF entrance road off of NY Route 31 to Niagara County Community College (NCCC). The roadway is intended to provide a separate access for trucks entering to the service area, to provide access and parking to campus sports facilities at the east end of the campus, and to complete a circulatory roadway system around the campus to improve emergency vehicle access and response times. Project involved a wetland delineation and reconfiguration of preliminary roadway alignment to avoid wetland impacts.

Millennium Parkway: Industrial Access Road Project - Dunkirk, NY

Principal-in-Charge for environmental and engineering services provided for a new access road intended to improve access from Interstate 90 to the existing Chadwick Bay Industrial Park in the Towns of Dunkirk and Sheridan, New York. This $10 million locally administered federal aid project involves extensive agency, stakeholder and public coordination; a comprehensive alternatives analysis; preparation of a NEPA/SEQRA documentation; and preliminary through final design services.

Transportation Planning, Feasibility Studies - Chautauqua, Cattaraugus and Allegany Counties, NY

Principal-in-Charge for three transportation studies commissioned by the Southern Tier West Regional Planning and Development Board. These included a preliminary corridor planning study for the Route 60/62 corridor in Chautauqua County for the purpose of analyzing a City of Jamestown bypass, and a preliminary feasibility study for an east-west highway corridor extending through the northern regions of Cattaraugus through Allegany County.

Environmental Impact Statement (EIS), Williamsville Toll Barrier Improvement Project - Western NY

Project Manager responsible for managing the preparation of the EIS pursuant to NEPA and SEQRA for the development of a modern mainline toll barrier on the New York State Thruway (I-90) to the northeast of the Buffalo metropolitan area. Key components of this $80 million project include the analysis of a 17-mile study corridor for potential relocation sites, as well as the evaluation of potential impacts to travel patterns on a regional level. Duties have included the implementation of a public/agency scoping process, coordination with State and Federal regulatory agencies and local government agencies, and the management of technical staff and subconsultants involved in the development and analysis of alternatives, as well as natural and human resource impact evaluation.

Progress Drive Reconstruction - Dunkirk, NY

Principal-in-Charge for design and construction phase services for the reconstruction of Progress Drive in the City and Town of Dunkirk, New York. This $2.5M project is being funded through a grant from the US Department of Commerce, Economic Development Administration and includes the realignment of Middle Road and reconfiguration of multiple intersections to enable connection of Progress Drive with Millennium Parkway in the future.

New York State Department of Transportation, Region 5: Environmental and Hazardous Waste/Contaminated Materials Screening, Six LDSA Bridge Projects - Region 5, NY

Managed the environmental screening and hazardous waste/contaminated materials screening for six bridge replacement or rehabilitation projects conducted under the Local Design Service

Agreement (LDSA) Program in NYSDOT Region 5. Screenings were performed in accordance with the procedures outlined in the NYSDOT Environmental Procedures manual, as well as ASTM Practice E 1527. Required SEQRA and NEPA documentation was prepared, as were applicable State and Federal permit applications.

City of Buffalo: Hazardous Waste/Contaminated Materials Assessment, South Park Avenue Lift Bridge - Erie County, NY

Managed the environmental investigation of a former industrial property situated adjacent to the South Park Avenue Lift Bridge over the Buffalo River and slated for acquisition by the City of Buffalo for the construction of a new ancillary electrical building. The investigation involved the drilling of a series of test borings and the installation of groundwater monitoring wells to enable the collection and chemical analysis of soil and groundwater samples. Based upon the results of the investigation, recommendations were developed to minimize worker exposure to contaminated fill material during the construction of the new infrastructure and building.

Industrial Access Road Feasibility Study - Fredonia, NY

Project Manager for the feasibility study associated with a new 0.7 mile access road between NY State Route 60 and an active manufacturing facility. Project involved the review of soil suitability, drainage, wetlands, threatened/endangered species, cultural resources, traffic, noise, and existing utilities to aid in alignment selection.

Winsor Street Reconstruction - City of Jamestown, NY

Principal-in-Charge for the reconstruction of Winsor Street in the City of Jamestown. Project involved roadway and utility design, the preparation of plans and specifications, bid administration, and construction phase services.

Handicap Ramp Improvement Project - Jamestown, NY

Principal-in-Charge for construction inspection services provided to the City of Jamestown for a city-wide handicap ramp improvement project. Responsible for client communications and the coordination of inspection staff.

Dunkirk Waterfront Recreational Trail - Dunkirk, NY

Principal-in-Charge for environmental, survey, design and construction phase services for a 3-mile long recreational trail extending along the Lake Erie waterfront in the City of Dunkirk, New York. This project links three of the City's waterfront parks, including Point Gratiot, Veterans and Wright Parks and is funded by New York State Office of Parks, Recreation and Historic Preservation and federal transportation grants.

Outer Harbor Greenbelt, Recreational Trail - Buffalo, NY

Principal-in-Charge for construction services provided for the Port Greenbelt Shoreline Restoration project completed for the Niagara Frontier Transportation Authority. Project involved the construction of shoreline improvements for a public park and asphalt pathway along 5,500 LF of Lake Erie shoreline.

Environmental Impact Statement, Limestone Quarry - Cheektowaga, NY

Project Manager for the modification of the Mined Land Reclamation Permit for a limestone quarry encompassing the relocation of onsite stone processing and asphalt production facilities and the mining of an additional 40 acres of the site. The project involved the preparation of an Environmental Impact Statement pursuant to SEQRA. This entailed numerous detailed human and natural resource studies, including air quality and noise modeling, blasting studies, and the assessment of potential impacts to property values. Responsibilities included extensive communication with regulatory officials, the oversight of project staff and subconsultants, and the technical review of project deliverables.

Generic Environmental Impact Statement, Infrastructure Design, Business Park Development - Tonawanda, NY

Principal-in-Charge for environmental and engineering services provided for a public sector, 92-acre business park development project, including GEIS preparation, and sewer and water infrastructure design. Project involved coordination with a multi-member steering committee and multiple local, state and federal agencies. Studies performed in support of the GEIS included wetland delineation, Stage 1A/B cultural resource survey, and traffic impact study.

Niagara-Wheatfield Central

School District: Draft Environmental Impact Statement (DEIS) - Niagara, NY

Project Manager responsible for the preparation of the DEIS pursuant to SEQRA and New York State Education Department requirements for the development of a new elementary school. Directed technical staff and subconsultants during the characterization and evaluation of impacts to human and natural resources.

Environmental Impact Statement Review (EIS) - Lancaster, NY

Performed third party technical and procedural reviews of the draft and final EIS for a proposed 870,000 SF warehouse and distribution facility on 136 acres of undeveloped farmland. Involved in assisting with the preparation of the Positive Findings Statement.

Supplemental Environmental Impact Statement (SEIS), Commercial Plaza - Amherst, NY

Project Manager for the preparation of a SEIS for the expansion of a retail plaza in the Town of Amherst. The expansion consisted of 67,000 SF of additional retail space and 8,000 SF of restaurant space. Significant issues evaluated in the SEIS included potential impacts to traffic, wetlands, drainage and visual resources.

Environmental Impact Assessment (EIA), Pharmaceutical Manufacturing Facility Expansion - Grand Island, NY

Completed Parts 1, 2, and 3 of the SEQRA full Environmental Assessment Form (EAF) for the rezoning of 15 acres of undeveloped land to accommodate the 140,000 SF expansion of an existing pharmaceutical manufacturing facility. The proposed development included administrative offices and manufacturing, distribution and wastewater treatment facilities. Part 3 of the full EAF consisted of a detailed report describing the project setting and proposed development, and thoroughly analyzed the severity and importance of potential impacts identified in connection with the project. Issues analyzed in the report included air quality, water services, historical and archaeological resources, traffic, visual and aesthetic resources, land use and zoning, noise, community services, historical and archaeological resources, and socioeconomics. Following review of the EIA, the Lead Agency issued a Negative Declaration for the project, signifying that the project would not result in any significant adverse environmental impacts and that a DEIS was not required.

Environmental Impact Assessment, Brownfield Restoration and Redevelopment - Falconer, NY

Project Manager responsible for assisting the Lead Agency, Chautauqua County Industrial Development Agency, with the environmental review pursuant to SEQRA of an environmental restoration and redevelopment project at a Brownfield site. The project consisted of the environmental remediation of residual contamination at an abandoned industrial site under a Voluntary Cleanup Agreement between the NYSDEC and the developer, and the subsequent redevelopment of the property for manufacturing use. Prepared Parts 1, 2 and 3 of the full Environmental Assessment Form (EAF). Part 3 of the full EAF consisted of a detailed report describing the environmental setting of the project, the proposed remediation program, and the proposed 160,000 SF development. Assisted the Lead Agency in the preparation and filing of a Negative Declaration for the project signifying that the project would not result in any significant adverse impacts and that a DEIS would not be required.

Environmental Assessment Forms (EAF), Multiple Projects - New York State

Prepared short and full EAFs pursuant to SEQRA for numerous projects across New York State ranging from mining projects to telecommunication tower development sites.

Phase I & II Environmental Site Assessments

Chautauqua County Department of Public Facilities: Term Environmental Services - Chautauqua County, NY

Program Manager for environmental services provided under 11 consecutive one-year term contracts. He managed technical staff, subconsultants and subcontractors involved in environmental assignments including Phase I and II environmental site assessments, UST removal, environmental impact assessment and analysis for business/industrial park developments, Brownfield redevelopment, grant preparation and administration, and regulatory compliance. He was responsible for contract administration, technical review

of project deliverables, Client consultation, public presentations and outreach, and regulatory communications.

Vapor Intrusion Assessment, Commercial Plaza - Alden, NY

Project Manager for a Vapor Intrusion Assessment (VIA) of a commercial plaza that formerly contained a dry-cleaning business. Project involved the collection and laboratory analysis of sub-slab vapor and indoor air samples; the evaluation of the resulting data relative to applicable regulatory guidance; and the preparation of a technical report with recommendations for mitigation.

Site Investigation, Commercial Property - West Seneca, NY

Principal-in-Charge for the investigation of a commercial property containing purifier waste from a manufactured gas plant. The work was implemented in an effort to fully characterize the fill materials at the site and was performed in response to concern by the NYSDEC. Project involved the development and implementation of a NYSDEC-approved investigation work plan.

Environmental Analysis, Historic Canal District - City of Utica, NY

Project Manager for the environmental assessment of the City of Utica's historic canal district, an area that encompasses approximately 30 city blocks. Responsible for the oversight of staff conducting an ASTM-type assessment, which identified 23 sites with environmental concerns, and the categorization of the relative level of concern associated with each of these sites. Outlined potential impacts to redevelopment options for the City to aid in the redevelopment planning process, and provided recommendations for additional site specific studies and Brownfield funding opportunities.

Vapor Intrusion Assessment, Adaptive Re-use Project - Lockport, NY

Project Manager for a Vapor Intrusion Assessment (VIA) of a former industrial building in connection with adaptive re-use for mixed use purposes. Project involved the collection and laboratory analysis of sub-slab vapor and indoor air samples; the evaluation of the resulting data relative to applicable regulatory guidance; and the preparation of a technical report.

Phase I Environmental Site Assessments, Telecommunication Tower Sites - New York State

Responsible for the coordination and review of Phase I ESAs of over 90 sites proposed for the development of telecommunication towers. These ESAs were performed in accordance with ASTM E-1527 and were completed within an aggressive three-month schedule.

Phase I/II Environmental Site Assessment, City Block - Jamestown, NY

Project Manager for the Phase I/II ESAs of a city block located adjacent to a new downtown ice arena. The site is slated for redevelopment and currently contains several commercial buildings and surface parking lots. Assessments were performed in accordance with ASTM E-1527 and involved site inspections, historic land use and records review, and interviews with past, present and adjacent land owners. This Phase I ESA resulted in the identification of numerous recognized environmental conditions in connection with the subject property including the potential for subsurface petroleum contamination, and the potential for past discharge solvents and other chemicals based on historical land use. The Phase II portion of the project involved the drilling and installation of eight test borings (four of the test borings contained groundwater monitoring wells), and the collection and chemical analysis of groundwater, and soil samples.

Phase I Environmental Site Assessments (ESA) - Various Locations, New York State

Conducted numerous Phase I ESAs for commercial property transfers. Performed assessments in accordance with American Society for Testing and Materials (ASTM) Standards and involved site inspections, historical land use and records review, and interviews with past, present and adjacent land owners. Projects required extensive interaction with clients and financial institutions.

Phase I/II Environmental Site Assessment - Buffalo, NY

Performed an ESA of vacant land situated in a former industrial sector of Buffalo, NY in association with the proposed commercial development of the property. Extensive historical research indicated that the property had at one time been occupied by support facilities related to aircraft manufacturing and numerous

USTs had been present on the property. To further define potential liabilities associated with the site, a surface geophysical survey to detect buried metal objects was performed and was supplemented by a drilling program designed to characterize soil and groundwater conditions at the site.

Phase I Environmental Site Assessment (ESA) - Hamburg, NY

Performed a Phase I ESA of an industrial facility involved in the manufacture of fiberglass reinforced plastic (FRP) tanks and towers for the chemical industry. This Phase I ESA resulted in the identification of numerous recognized environmental conditions in connection with the subject property including the improper storage of hazardous chemicals and wastes, the discharge of hazardous waste and petroleum products to the subsurface, and leaking aboveground storage tanks.

Phase I Environmental Site Assessment (ESA) - East Northport, NY

Performed a Phase I ESA of an industrial facility involved in the inspection, repair and reconditioning of aircraft life support equipment. This Phase I ESA was conducted in accordance with ASTM E-1527 and resulted in the identification of numerous recognized environmental conditions including improper storage of hazardous chemicals, hazardous waste, low-level radioactive waste, the discharge of spent solvents to the subsurface, the presence of five underground storage tanks, and the lack of a process wastewater management system meeting applicable local and state regulations.

Phase I Environmental Site Assessment (ESA), Industrial Site - Dunkirk, NY

Project Manager for the Phase I ESA of a seven acre industrial site that was originally developed as part of a Civil War era railroad locomotive manufacturing complex. The purpose of this ESA was to assist the Chautauqua County Industrial Development Agency in evaluating the feasibility of pursuing a site investigation grant under the NYSDEC Brownfield Program pursuant to the Clean Water/ Clean Air Bond Act of 1996. Based upon the historical records and information obtained as a result of site reconnaissance, interviews with former employees, and a regulatory record search, numerous environmental concerns were identified in connection with the subject site. These concerns included documented hazardous waste discharges, groundwater contamination and the potential presence of underground storage tanks.

Investigation and Remediation, Fleet Vehicle Maintenance Facility - Waterport, NY

Project Manager for the subsurface investigation of petroleum contamination at an active fleet vehicle maintenance and repair facility operated by the New York State Office of Parks, Recreation and Historic Preservation. The investigation was designed to delineate the extent of soil and groundwater contamination, was conducted in accordance with a NYSDEC-approved work plan, and involved completion of a soil gas survey, drilling and installation of test probes and monitoring wells, and the chemical analysis of soil and groundwater samples. Implemented NYSDEC-approved in situ groundwater treatment program using Oxygen Release Compound (ORC) coupled with a quarterly monitoring program.

Phase II Environmental Investigation - Buffalo, NY

Conducted a Phase II investigation of a manufacturing facility contaminated with heavy metals and polynuclear aromatics (PNA). Project involved soil, sediment and storm water characterization that revealed PNA and metals contamination in a storm water control system. Developed program for storm sewer remediation and prepared Remedial Action Plan for regulatory agency review.

Phase II Environmental Investigation - Buffalo, NY

Conducted a Phase II investigation of an industrial site located adjacent to several listed inactive hazardous waste sites. Developed and implemented a NYSDEC approved subsurface investigation plan which entailed the installation of seven groundwater monitoring wells, the excavation of test pits, and the collection and analysis of groundwater, surface water and soil samples. Prepared a report identifying the type and extent of contamination, potential contaminant sources and possible pathways of migration.

Subsurface Investigation, Fuel Dispensing Facility - Amherst, NY

Project Manager for the subsurface investigation of inactive retail dispensing facility

involving the delineation of soil contamination, installation of shallow and bedrock monitoring wells to characterize groundwater quality, and the assessment of appropriate remedial alternatives. Project involved preparation of investigation plan for regulatory agency review, as well as extensive client relations.

Phase II Environmental Site Assessment (ESA) - East Northport, NY

Project Manager for the Phase II ESA of an active industrial facility conducted to investigate potential contamination associated with the historical use of the facility, numerous USTs, and the subsurface discharge of spent solvents. This Phase II ESA involved the advancement of 17 test probes to enable the collection and field screening of continuous soil samples, and the chemical analysis of soil samples. The resulting report identified several areas of soil contamination and was utilized to define the scope of remedial measures required to complete the transfer of ownership of the facility.

Phase II Environmental Site Assessment - Hamburg, NY

Based upon a review of a Phase I ESA, developed and conducted a Phase II ESA at the site on an automotive service and repair facility contaminated with hydraulic oil. Project involved the drilling of 26 test borings and the installation of three groundwater monitoring wells for the purpose of characterizing physical and chemical subsurface conditions. Developed program for soil remediation involving the decommissioning and removal of belowground hydraulic lifts and an oil/water separator, as well as the excavation and off-site disposal of petroleum-contaminated soil.

Phase I/II Environmental Site Assessment - Cheektowaga, NY

Project Manager for the Phase I/II ESA of an abandoned aircraft controls manufacturing facility proposed for commercial redevelopment. Based upon the results of the Phase I ESA that indicated the potential presence of a UST and solvent releases, a Phase II ESA was conducted to confirm the presence or absence of contamination. In response to the detection of asbestos containing building materials during the Phase I ESA, a pre-demolition asbestos survey was also conducted. The Phase II ESA included the completion of a surface geophysical survey and the advancement of 17 test probes to enable the collection, field screening and chemical analysis of soil samples. This investigation resulted in the detection of TCE contamination in soil proximal to the facility's service entrance.

Risk Based Corrective Action (RBCA) Evaluation, Automobile Dealership - Town of Hamburg, NY

Project Manager for the evaluation of a petroleum-impacted site using the RBCA process outlined in the NYSDEC Draft Interim Procedures for Inactivation of Petroleum-Impacted Sites. This project involved the identification of complete exposure pathways and the calculation of Site Specific Target Levels (SSTLs) for residual contamination that are protective of human health and the environment under current and future site use scenarios. This evaluation demonstrated that levels of residual contamination in groundwater at the site are below the calculated risk-based thresholds, and received NYSDEC technical approval.

Phase II Environmental Site Assessment (ESA), Maintenance and Storage Yard - Falconer, NY

Project Manager for the investigation of a public works maintenance and storage yard involving the drilling of a series of test borings and the installation of eight groundwater monitoring wells to investigate potential subsurface contamination identified as a result of a Phase I ESA. As a result of this investigation, soil contamination in connection with the historical storage and dispensing of liquid asphalt was identified, as was groundwater contamination emanating from an off-site source.

Phase I/II Environmental Site Assessment (ESA) - Lancaster, NY

Project Manager for the Phase I/II ESA of an active industrial facility containing a chrome-plating operation. This work involved the advancement of soil probes and the installation of groundwater monitoring wells to characterize subsurface conditions, as well as the sampling and analysis of drain, sump and sewer sediments/fluids. Developed and implemented a remediation plan involving the proper abandonment of a dry well, removal of an in-floor oil sump, the removal of contaminated sewer sediments, the remediation of petroleum-contaminated soil, and the modification of the facility's wastewater collection

and conveyance system. Following regulatory review of the confirmatory sampling results, the site was given closed status signifying the satisfactory completion of the remedial program.

Phase II Environmental Site Assessment - Dunkirk, NY

Project Manager for the Phase II ESA of an abandoned industrial site proposed for redevelopment by adjacent industry. The scope of the investigation included the drilling and installation of nine monitoring wells and seven additional test borings to characterize subsurface conditions. Additionally, the inspection and sampling of numerous drains, sumps, vaults, and potential PCB containing electrical equipment located on the property was conducted. Based on the results of the investigation, recommendations for site remediation were developed.

New York Power Authority: NAPL Investigation, NYPA Right-of-Way - Niagara Falls, NY

Principal-in-Charge for an investigation designed to delineate non-aqueous phase liquids (NAPL) within the NYPA Lewiston Power Project conduit right-of-way in the vicinity of Royal Avenue. The project included the review of historical documents, drilling of overburden and bedrock test borings, collection of characterization samples, and preparation of work plan and final reports.

Building Demolition, Food Processing Plant - Town of Ripley, NY

Principal-in-Charge for the design, bidding and construction phases of a building demolition project involving a 26,000 SF concrete block/wood/steel structure. Project involved demolition design; preparation of plans, specifications and contract documents; bid administration; and oversight of demolition. Project also involves removal of asbestos containing materials and drums/containers of chemicals.

Building Demolition, Former Randolph Foundry - Village of Randolph, NY

Principal-in-Charge for the design and preparation of contract documents for the demolition of a 25,000 SF former foundry and machine shop. The work was completed under a New York State Environmental Restoration Program grant as an Interim Remedial Measure. The project included removal of asbestos containing materials, foundry sand and containers of chemicals and the demolition and disposal of the building.

Building Demolition, Former Roblin Steel Plant - Dunkirk, NY

Principal-in-Charge for the design, bidding and construction phases of a building demolition project involving a 90,000 SF former steel mill building. Scope of services includes demolition and asbestos abatement design; preparation of plans, specifications and contract documents; bid administration; and oversight of demolition. Contract documents were prepared in accordance with NYS Environmental Restoration Program requirements for this brownfield redevelopment project.

Building Demolition, Former Alumax Extrusion Facility - Dunkirk, NY

Principal-in-Charge for the design, bidding and construction phases of a building demolition project involving a 143,000 SF former industrial complex. Scope of services includes demolition and asbestos abatement design; preparation of plans, specifications and contract documents; bid administration; and oversight of demolition at this brownfield redevelopment site.

Building Demolition, Former Edgewood Warehouse - Dunkirk, NY

Principal-in-Charge for the design, bidding and construction phases of a building demolition project involving a 165,000 SF former industrial building. Scope of services included demolition and asbestos abatement design and the preparation of plans, specifications and contract documents.

Manufacturing Facility, Decommissioning/Demolition - Tonawanda, NY

Principal-in-Charge for design and oversight services provided for the decommissioning and demolition of a 75,000 SF portion of an active manufacturing facility. Project included the removal and disposal of contaminated sediment, decommissioning of numerous pits and sumps, asbestos abatement, abandonment of portions of the existing mechanical and electrical systems, structural closure and restoration of new exterior building walls. Demolition of multiple buildings, including a tall chimney, was conducted without disruption of ongoing plant operations.

Asbestos Survey of Commercial Site - Tonawanda, NY

Project Manager for the Phase I ESA and Asbestos Survey of a commercial site containing two buildings encompassing 100,000 SF. The project was completed in support of the acquisition and renovation of the buildings.

Pre-Renovation Survey, Commercial Building - Jamestown, NY

Project Manager for the asbestos-containing material (ACM) and lead-based paint (LBP) survey of a commercial building slated for renovation and reuse as the headquarters of the Chautauqua Area Rural Transit System (CARTS). The project involved the review of available building plans, an inspection of the structure, the sampling and laboratory analysis of suspect ACM and LBP, the evaluation and presentation of the resulting data in a technical report, and cost estimating for abatement.

Pre-Demolition Asbestos Surveys, Numerous Redevelopment Sites - State of New York

Project Manager for the pre-demolition survey of numerous commercial redevelopment sites containing multiple structures. Responsibilities included the coordination of multiple survey crews involved in building inspections and sample collection, the review of data resulting from the analysis of samples via polarized light microscopy (PLM), and the compilation of final reports identifying the location, type and quantity of asbestos containing building materials.

Asbestos and Lead-Based Paint Survey, Harness Racing Complex - Batavia, NY

Project Manager for the Phase I ESA of a 45-acre harness racing complex. Responsible for managing asbestos and lead-based paint inspections of five buildings encompassing 117,000 SF in conjunction with planned demolition and renovation activities at the complex.

Pre-Demolition Survey, Food Processing Facility - Brocton, NY

Project Manager for the pre-demolition asbestos survey of the abandoned portion of a former food processing facility encompassing approximately 70,000 SF. The survey involved the review of historical building plans, the collection and laboratory analysis of hundreds of samples of suspect asbestos-containing material, technical report preparation and abatement cost estimating.

Pre-Demolition Environmental Assessment and Decommissioning Program, Industrial Facility - Tonawanda, NY

Principal-in-Charge for the environmental assessment and decommissioning program performed at an active industrial complex in support of the planned demolition of unused portions of the facility. Responsibilities included consultation with the Client and their legal counsel relative to environmental conditions at the site and corresponding implications with respect to regulatory requirements, risk management and the demolition project. Also provided oversight of project team and subcontractors conducting site-specific sampling and analysis, pre-demolition asbestos surveys, and the cleanup and closure of an outdoor electrical substation and a number of process pits and sumps.

Chautauqua Lake Watershed: Watershed Management Project - Chautauqua County, NY

Principal-in-Charge for the development of a management program for the Chautauqua Lake watershed. The project includes community outreach; identification and evaluation of areas with acute erosion issues; GIS database development; technical assistance to municipalities and private entities; and educational seminars.

Aquifer Study, Landfill Site - Cattaraugus County, NY

Participated in the design and execution of a drilling, well installation and pump test program to determine the areal extent and hydrologic properties of a valley fill aquifer, as well as its hydraulic connection to an adjacent landfill site. The relationship of the subject aquifer was also evaluated relative to a nearby primary aquifer based upon available literature and mapping.

Storm Water Pollution Prevention Plans, Various Facilities - New York State

Managed the preparation of Storm Water Pollution Prevention Plans for over 10 industrial facilities in western and central New York. Plans were prepared in accordance with State Pollutant Discharge Elimination System (SPDES) regulations pertaining to industrial storm water discharge, and involved the review of site activities, potential contaminants utilized or stored at the facility,

current storm water management practices, and the development of best management practices to minimize storm water pollution.

Wetland Delineations - Various Locations, New York State

Project Manager for the investigation and delineation of Federal jurisdictional wetlands in accordance with the 1987 Manual issued by the US Army Corps of Engineers (USCOE). Projects ranged from residential and commercial developments to several airport expansions, and involved the preparation of reports characterizing and delineating upland and wetland communities encountered during field investigations, the completion of joint State and Federal permit applications, and extensive interaction with NYSDEC and USCOE representatives.

Hydrogeologic Appraisal - Clarence, NY

Characterized the existing hydrogeologic resources on and adjacent to the site of a proposed 75,000 SF manufacturing facility, and identified and evaluated potential impacts to these resources associated with project development. The design of the project included the installation of several water supply wells to provide the facility with cooling water directly to groundwater. This study included an evaluation of impacts to a nearby unconsolidated aquifer and an underlying bedrock aquifer, and was incorporated in the Environmental Impact Statement for the project.

Brass Foundry: Storm Water Management System, Evaluation and Redesign - Elmira, NY

Project Manager for the investigation and redesign of the storm water management system at a 100+ year old foundry site to improve site drainage, enable the proper closure of numerous dry wells, and assist in achieving pollution prevention initiatives. This work involved the topographic survey of the site, delineation of the existing storm water conveyance system for which no historical plans existed, storm water calculations, and design modifications to the on-site collection and conveyance systems. As part of this program, a closure plan complying with the Underground Injection Control Program (UICP) was developed for the on-site industrial drainage wells.

ISG Lackawanna LLC: Industrial Facility SPDES Monitoring - Lackawanna, NY

Principal-in-Charge for weekly, monthly and quarterly SPDES monitoring conducted at galvanizing and rolling mills operated by ISG. Supervised staff involved in sample collection, laboratory coordination and Discharge Monitoring Report (DMR) preparation. Also provided technical support relative to permit compliance and other waste disposal issues.

Water Line Replacement - Town of Lancaster, NY

Principal-in-Charge for design and construction phase services provided in conjunction with the replacement of 7,800-LF of waterline in the Town of Lancaster.

Evaluation of Waste Water Treatment Plant Discharges Wellsville, NY

Principal-in-Charge for the evaluation of wastewater treatment plant influent consisting of sanitary sewage and leachate and the resulting discharges from the plant. The project included the evaluation of existing information, the collection of wastewater samples for analysis, performance of calculations of Maximum Allowable Headworks Loadings, and establishment of pretreatment discharge limitations and a protocol for acceptance of new or increased discharges.

Mined Land Reclamation Permit Modification, Quarry Expansion - Shelby, NY

Project Manager for the modification of the Mine Land Reclamation Permit enabling an 11.3 acre expansion of an existing 95-acre limestone and dolomite quarry. Conducted hydrogeologic, noise and blasting studies to assess potential impacts to nearby residences, stream and wetlands and prepared revised Mining Plan Map. Project also involved close coordination with NYSDEC, USACOE and NYSOPRHP regarding stream crossing, wetland and cultural resource issues. Additionally, technical support was also provided for procurement of a Special Use Permit from the Town of Shelby to address recently enacted local zoning law relative to mining.

Mining Permit - Wheatfield, NY

Prepared a 6 NYCRR Part 420-426 Mining Permit Application and Mined Land Use Plan for a 20-acre surface unconsolidated mine. The mining plan involved the excavation of over 300,000 cubic yards of clay for use off site, while the reclamation plan

entailed the use of the affected land for storm water retention ponds for a proposed residential subdivision.

Limestone Quarry Expansion - Cheektowaga, NY

Project Manager for the development of a revised Reclamation Plan pursuant to 6 NYCRR Part 420-426 for the 65-acre expansion of an existing limestone quarry. The reclamation objective outlined in the graphical and written plans consisted of a lake surrounded by mixed-use development.

Mining Permit - Waterloo, NY

Project Manager for the preparation of a Mining Permit Application and Mined Land Use Plan for a 35-acre surface unconsolidated mine. The mining plan involved the extraction of 850,000 cubic yards of clay to be used in conjunction with the operation and closure of an adjacent solid waste landfill, while the reclamation plan consisted of the creation of a storm water retention pond surrounded by graded, revegetated land suitable for a return to agricultural use or for commercial development.

Mining Permit - Phelps, NY

Project Manager for the preparation of a Mining Permit Application and Mined Land Use Plan for a 9-acre surface unconsolidated mine. The mining plan involved the extraction of 200,000 cubic yards of sand and gravel to be used in conjunction with the operation and closure of a nearby solid waste landfill, while the reclamation plan provided for graded, revegetated land suitable for residential development and/or recreational use.

Draft Environmental Impact Statement (DEIS), Limestone Quarry Expansion - Cheektowaga, NY

Project Manager responsible for the preparation of a DEIS pursuant to SEQRA for the rezoning of 140 acres of undeveloped land to accommodate the expansion of an existing limestone quarry. Detailed investigations of the following natural and human resources were completed in support of the DEIS: hydrogeology, air quality, ecology, wetlands, traffic, noise, land use and rezoning, archaeology, and aesthetics. Evaluation of potential impacts to an adjacent Critical Environmental Area (CEA) and two adjacent waste disposal facilities was also required.

Mining Permit Modification, Limestone Quarry - Cheektowaga, NY

Project Manager for the modification of the Mined Land Reclamation Permit for a limestone quarry encompassing the relocation of onsite stone processing and asphalt production facilities and the mining of an additional 40 acres of the site. Responsibilities included extensive communication with regulatory officials and the negotiation of special MLR permit conditions.

Ripley Interstate Development Site, Warehouse/Distribution Center, Site Planning and Shovel-Ready Status - Ripley, NY

Principal-in-Charge for site planning and preliminary design services for a 200-acre interstate site in the Town of Ripley that is being marketed for the development of a 1,000,000 SF warehouse/distribution center. Oversaw pre-acquisition environmental site assessments of multiple parcels, the development and evaluation of multiple site plan alternatives, traffic impact analysis and the modeling and preliminary design of stormwater management facilities. Also, assisted the Chautauqua County IDA with the process of obtaining shovel-ready status through ESDC.

Buffalo Lakeside Commerce, Park Industrial/Business Park Site, Planning and Design, Phase III - Buffalo, NY

Principal-in-Charge for the site planning and infrastructure design for Phase III of the Buffalo Lakeside Commerce Park, which is a 275-acre brownfield redevelopment project. Project involves the layout of parcels, roadways and utilities; SEQRA compliance/documentation; geotechnical investigation; wetland permitting; the design of roadways, waterlines, sanitary sewer and pump station, and stormwater management facilities; the preparation of plans and specifications; bid and construction administration; and construction inspection. Extensive coordination with NYSDEC to ensure compliance with brownfield soil/fill management plan is also required.

Phase III, Country View Estates - Jamestown, NY

Principal-in-Charge for roadway and utility design and construction phase services provided for a 15-acre residential subdivision. Project included topographic survey, design of 1,200 LF of roadway and the design of stormwater

management facilities. Bid documents and cost estimates were prepared and construction support was provided.

Business Park Development, Environmental Assessment and Conceptual Design - Ripley, NY

Project Manager for the environmental review and conceptual design of a 42-acre business park. Managed technical staff and subconsultants involved with natural and human resource studies including ecological survey, wetland delineation, Stage 1A cultural resource survey, and traffic impact study. The results of these studies were used to develop concept plans for the proposed development that minimized impacts while optimizing the developable area.

Geotechnical Engineering Investigation - Geneseo, NY

Supervised the drilling of test borings and the installation of piezometers as part of the geotechnical investigation for the design of surface facilities associated with a proposed subterranean salt mine. Responsibilities included classifying soil samples and logging rock cores, piezometer placement, and the collection of groundwater samples for chemical analysis.

Geotechnical Engineering Investigations, Development Sites - New York State

Supervised the collection of data for use in foundation design for several sites proposed for the development of restaurant, hotel and institutional facilities. Responsibilities included the supervision of drilling activities, the classification of soil samples, piezometer design and placement, and the preparation of reports characterizing existing hydrogeologic conditions.

Former Industrial Site Investigation & Cleanup - Cheektowaga, NY

Project Manager for the Phase I/II ESA and subsequent cleanup of a commercial property in connection with a real estate transaction. Recognized Environmental Conditions (RECs) identified as a result of the Phase I ESA were investigated and contamination was delineated in subsurface fill and sediment occurring within an on-site drainage ditch. Worked closely with the purchaser and owner to develop and implement a remedial program to address contamination and enable the transaction to proceed. The cleanup was completed in accordance with a NYSDEC approved work plan and spill file closure was achieved.

Technology Incubator Development Site - Dunkirk, NY

Principal-in-Charge for environmental services provided in conjunction with the development of a $5 million high technology incubator facility in Dunkirk, NY. Project involved the investigation and cleanup of subsurface petroleum contamination in order to prepare the site for redevelopment.

Jamestown Community College: Investigation and Remediation of Petroleum Spill Site - Jamestown, NY

Project Manager for a multi-phased investigation of a former truck terminal site slated for redevelopment as part of Jamestown Community College's Manufacturing Technology Institute. Subsurface petroleum contamination was delineated and cleanup was completed in accordance with a NYSDEC approved remedial work plan. Responsibilities include regulatory negotiations, client communications and coordination and technical oversight of staff and subcontractors.

Industrial Facility, PCB Remediation - Buffalo, NY

Developed and managed the implementation of the Post-Cleanup Sampling Program, pursuant to TSCA, following the completion of remedial activities at a PCB spill site in an industrial section of Buffalo, NY. Following EPA approval of sampling design, which employed a statistical sampling scheme developed by the Midwest Research Institute, supervised sample collection and implementation of a QA/QC program. Directed additional remedial measures to reduce contaminant levels to within acceptable levels and verified compliance with federal standards. Prepared Spill Remediation Report in order to document and certify remedial efforts. Report was submitted to and accepted by NYSDEC and USEPA.

Groundwater Remediation, Federal Leaking Underground Storage Tank (LUST) - Various Sites, NY

Managed the design, installation and monitoring of several groundwater extraction and treatment systems at LUST sites owned and operated by the Federal Government. Systems utilized included a mobile unit equipped with oil/water separator, total

suspended solids filtration, and liquid phase granular activated carbon components. Projects involved periodic monitoring of treatment system effluent and the procurement of applicable discharge approvals from State regulatory agencies.

Remedial Action Plan (RAP) - Hamburg, NY

Prepared a RAP for regulatory review and negotiated clean-up requirements for the voluntary remediation of petroleum-contaminated soil at an automotive dealership, repair and service facility. Managed the implementation of the remedial program which involved the decommissioning and removal of 18 leaking belowground hydraulic lifts and the excavation and off-site disposal of over 3,000 tons of soil contaminated with hydraulic oil and waste oil. The project also involved the removal of an old oil/water separator and replacement with a new unit meeting current regulatory requirements for separation, as well as the removal of several previously undiscovered USTs. A field laboratory was utilized throughout the project to define the limits of contaminated soil and to verify that clean-up levels were achieved. The project was completed without suspending the daily operations of the facility.

Industrial Facility, Underground Storage Tank (UST) Closures - Lockport, NY

Project Manager for the closure of two inactive USTs occurring at an industrial facility involved in the manufacture and machining of parts for the paper industry. Following the removal of residual product and sludge, the tanks were removed and cleaned for proper off-site disposal. Visually contaminated soil encountered in the tank cavities was also excavated for disposal at an appropriately permitted off-site facility. Confirmatory samples were collected from the tank cavities and chemically analyzed to verify compliance with regulatory levels. A report summarizing tank closure activities and documenting the quantity and final disposition of wastes generated as a result of the project was submitted to and accepted by the NYSDEC who issued a No Further Action letter.

Industrial Facility PCB, Drum and Tank Remediation - Elmira, NY

Supervised the remedial program at a former steel foundry that involved the disassembly and removal of eight leaking transformers from on-site buildings to a secure staging/contaminant area for draining and transport to an off-site disposal facility. The project also entailed the overpacking and secure staging of numerous drums containing hazardous substances and petroleum products encountered throughout the 19-acre site, and the proper closure of eight aboveground storage tanks ranging in size from 250 to 6,000 gallons.

Abandoned Industrial Facility Soil Remediation - Cheektowaga, NY

Prepared a Remedial Action Plan (RAP) under the NYSDEC Voluntary Cleanup Program for the remediation of an inactive industrial site contaminated with chlorinated solvents. Following regulatory approval of the Remedial Action Plan, managed the remedial program consisting of the proper closure of an inactive UST, extraction and on-site treatment of contaminated groundwater in the area of concern, excavation of contaminated soil for off-site treatment and disposal, and the further investigation of down-gradient groundwater conditions. The program also involved the development and implementation of community and site-specific health and safety plans requiring continuous air monitoring for particulate and organic vapor levels.

Allegany County Landfill Environmental Monitoring Program - Angelica, NY

Project Manager for the environmental monitoring program at a 24-acre municipal solid waste landfill. Responsible for the supervision of technical staff involved in the evaluation, management and reporting of quarterly and annual groundwater, surface water,

Characterization: Soil and Groundwater Remediation - Coudersport, Pennsylvania

Greg was Project Manager for a Pennsylvania Department of Environmental Protection Act II Voluntary Cleanup project. The site consisted of approximately five acres of land, two vacant gas stations and an agricultural chemical retail store.

Former Trucking Maintenance Facility: Phase II Site Characterization and Remedial Measures - Bloomfield, NY

Project Manager for a multi-phased site characterization and remedial effort. Greg was responsible for the oversight of the spill closure, design of a sub slab venting system, removal of 800 tons of impaired soil, and negotiations with the NYSDEC.

ADAM ZEBROWSKI

Environmental Technician

Adam Zebrowski is an Environmental Project Manager with eight years of professional consulting experience on projects throughout the Northeastern United States with a variety of developers, financial institutions, attorneys, municipalities, and county clients. Adam's background includes experience with the following: Management of over 2,000 Phase I Environmental Site Assessments (ESAs) & Transaction Screen Assessments, Management of over 300 Phase II ESAs, Underground Storage Tank Removal/Closure, Remediation and management of petroleum and hazardous substances Sites, Technologically Enhanced Naturally Occurring Radioactive Materials, Soil vapor intrusion assessment and mitigation, and Hazardous building materials.

Adam's responsibilities include project management, business development, and client management.

CHMM

Certified Hazardous Materials Manager

EDUCATION

University at Buffalo: BS, Environmental Science

Erie Community College: AS, General Studies

CERTIFICATION/ REGISTRATION

HAZWOPER 40-hour Certificate

Accredited Environmental Professional

USEPA Priority Brownfield Sites, Niagara County, NY

Adam has successfully assisted the Niagara County Department of Economic Development assess environmental liabilities associated with underutilized, environmentally problematic properties throughout Niagara County, New York. The assessments completed typically include properties with significant environmental liens or tax delinquency with histories including hazardous waste disposal sites, abandoned gasoline filling stations automotive repair facilities, and historical manufacturing facilities. Services provided to the Niagara County Department of Economic Development often include Phase I ESA's, assessment or delineation of subsurface soil and groundwater impact, vapor intrusion, Technologically Enhanced Naturally Occurring Radioactive Materials, and hazardous building materials. These projects require the strictest quality controls and are subject to USEPA review and approval. Adam has successfully assisted the Niagara County Department of Economic Development in evaluating environmental risk prior to tax foreclosure or redevelopment initiatives of several properties throughout Niagara County.

Automotive Dealership, Niagara Falls, NY

Adam assisted a purchasing entity evaluate environmental liabilities associated with an automotive dealership located in Niagara Falls, New York. Environmental concerns identified at the property included a historical gasoline filling station located on a non-contiguous parcel associated with the greater dealership operation, approximately 20 in-ground hydraulic lifts, historical underground storage tanks, and long-term automotive repair operations. During subsurface

exploration activities, it was revealed that the property was overlain with slag exhibiting elevated gamma radiation levels. In addition, slag in one portion of the Site was intermixed with apparent industrial waste. Adam was successful in assisting his Client's evaluation of the environmental liability associated with the property, exploration and implementation of remedial and engineering control options, and obtaining bank financing to purchase the property.

Construction Services - Northeast United States

Adam has experience managing numerous construction Plan Specification Reviews, Draw Inspections, and Property Condition Assessment projects throughout the northeast. Such services were primarily completed for financial institutions for lending purposes or property transactions.

Urban Redevelopment Project, Buffalo, NY

Adam provided environmental assessment services to a developer for redevelopment of 28 underutilized parcels of land within a portion of the City of Buffalo undergoing urban revitalization. LaBella provided environmental consulting services prior to the client retaining ownership of the properties. These included a Phase I ESA and a National Environmental Policy Act review. Furthermore, Adam explored remedial design options with the Client to be implemented concurrent with development activities to address various gasoline filling station operations, automotive repair operations, dry cleaners, and blacksmith operations historically conducted at the Site.

Environmental Due Diligence: Automotive Dealerships — Northern Ohio

Adam was retained to conduct environmental due diligence services on behalf of his client, a finical institution, to evaluate a portfolio of six large automotive car dealerships located in the Cleveland and Canton metropolitan areas. Operations at each automotive dealerships included large scale automotive repair and collision repair. The Sites generally included legacy environmental issues related to historical resales associated with in-ground hydraulic lifts, oil-water separators, and petroleum bulk storage. In addition, one of the dealerships were on land historically occupied with a large scale industrial operation, previous automotive and truck repair operations, and two gasoline filling stations. Adam assisted the client assess the environmental risk associated with each Site and conducted a Phase II Environmental Site Assessment to evaluate the environmental concerns identified.

Low-Income Housing Redevelopment — Corning, NY

Adam provided consulting services for redevelopment of a 30 structure low-income housing development in Corning, New York. The property was developed in the 1950's, was in various stages of disrepair, and redevelopment of the Site was desired by the local community. Adam assessed hazardous building materials within the Site Buildings prior to demolition, prepared several Phase I ESA's, and evaluated the Site for wetlands and endangered species in compliance with New York State Homes and Community Renewal requirements. Furthermore, Adam helped the client explore options for handling suspected hazardous fill materials historically imported to the Site.

Hazardous Building Materials - Various, NY

Adam Zebrowski has interfaced directly with LaBella's hazardous building materials specialists on various hazardous building material projects and has been responsible for maintaining project goals, work product quality, schedule, client relations, and field personnel. Adam has provided his clients such services to assess regulatory, environmental, and financial liabilities associated with property transactions, tax foreclosures, building demolition and renovation projects, and compliance with the Asbestos Hazard Emergency Response Act.

Iberdrola USA: SPCC - Various, NY

Adam Zebrowski managed preparation of Spill Prevention Control and Countermeasure (SPCC) plans for 85 New York State Electric and Gas (NYSEG) electrical substations located throughout Western New York. The SPCC scope of work for each electrical substation included an inventory of oil containing electrical equipment and total oil volume, documentation of secondary oil containment measures, evaluation of local topographic conditions, locating nearby potential water body receptors, and preparation of a SPCC plan report. The purpose of each SPCC plan is to determine

whether on-site controls (i.e. secondary containment such as berms or concrete containment structures) would adequately contain an oil release in the event of electrical equipment failure, and in the event the such controls were inadequate, to identify approximate surface flow characteristics and local at risk water bodies. Obstacles associated with the project included the volume of substations to be assessed, the large geographical distribution of the substations, and strict schedule demands which required all aspects of the project to be completed within four-six weeks. The SPCC plans were successfully completed and delivered to the client within the schedule required.

Talisman USA: Well Pad Assessments - Various, NY

Adam Zebrowski managed completion of several Environmental Natural Gas Well Pad Assessments on behalf of Talisman Energy USA. The scope of work for the assessments included a visual assessment of each well pad, review of Talisman Energy USA well records, New York State Department of Environmental Conservation (NYSDEC) records, well permits, historical records (i.e. historical aerial photography, historical atlases, Sanborn maps, etc.), natural gas well lease agreements, completion of an American Society for Testing and Materials 1527 compliant regulatory records review, interviews with Talisman Energy USA representatives and the property owner, and preparation of a report summarizing the results of the assessment. The purpose of the assessments were to determine site specific reclamation requirements subsequent natural gas well extraction activities. LaBella successfully completed the assessments meeting Talisman Energy USA requirements, project schedules, and budget. In addition, LaBella assisted Talisman Energy USA to characterize well cuttings previously buried at several well pads to determine well cutting disposal requirements.

PHASE I ESA'S

Phase I Environmental Site Assessments – Northeastern United States

Adam has managed over 2,000 Phase I ESAs, Transaction Screens, and RSRAs on a wide variety of residential, commercial, industrial, and manufacturing facilities including gasoline stations, repair shops, dry cleaners, apartment complexes, office buildings, and restaurants for various financial institutions, developers, municipalities, attorneys, and non-profit groups. Adam has conducted these assessments throughout the United States with particular project focus on the States of New York, Pennsylvania, and Ohio.

Phase II Environmental Site Assessments – Northeastern United States

Adam has managed over 300 Phase II ESAs throughout the Northeastern United States for various financial institutions, developers, municipalities, attorneys, and non-profit groups. Adam has completed investigation of historic and active industrial/manufacturing operations, retail petroleum operations, petroleum distribution facilities, automotive and collision repair facilities, hazardous waste disposal sites, landfills, drycleaners, printing operations, orchards, blacksmiths, technologically enhanced naturally occurring radioactive materials (TENORM) sites. Adam has extensive experience with investigation methods including exploratory test pit excavations, direct push soil borings, soil vapor sampling, groundwater monitoring well installation and sampling. Adam has conducted assessments throughout the United States with particular project focus on the states of New York, Pennsylvania, Ohio, Maryland, and New Jersey.

Former Dry Cleaners - Buffalo & Batavia, NY

As project manager, Adam completed a Phase I ESA at two commercial retail plazas. Based on the results of the Phase I ESA's, both properties were historically utilized as dry cleaning operations. Vapor intrusion assessment were completed and concentrations of chlorinated solvents were identified in vapor samples collected from both properties at concentrations above regulatory guidance values.

Fuel Oil Underground Storage Tank Assessment - Rochester, NY

As project manager, Adam completed a Phase I ESA at a commercial property for a real estate purchase. Based on the results of the Phase I ESA, one fuel oil underground storage tank was removed at the site without subsurface sampling. Adam managed completion of a Phase II assessment proximate the former fuel oil UST at an accelerated schedule. As no subsurface impact was identified,

the property transaction was completed within the desired schedule of the client.

NYSDEC: Former Petroleum Distribution Facility - Buffalo, NY

On behalf of the New York State Department of Environmental Conservation (NYSDEC), Adam provided project and field management services to characterize the subsurface conditions of a large petroleum distribution facility containing dozens of historic and current underground storage tanks. The property owner was absent and the property was owned by the City of Buffalo for back taxes. Due to the previous use of the property, the City of Buffalo could not find a party interested in purchasing the property. As such, the NYSDEC funded by federal stimulus money requested that a subsurface investigation be completed to characterize the property. Based on the results of initial and subsequent investigations, extensive petroleum related contamination was identified. Adam collaborated with the NYSDEC Region 9 Spills Division and a private developer to identify the likely extent of the petroleum contamination. The property was ultimately purchased by the private developer from the City of Buffalo and enrolled in the NYSDEC Brownfield Cleanup Program.

Marina Property - Dunkirk, NY

As project and field manager, Adam completed a site wide subsurface investigation to determine the subsurface conditions on a large marina property located in Dunkirk, New York. Historical use of the property included a gasoline filling station, oil storage and an asphalt plant. Furthermore, large portions of the property received fill material from unknown sources. Based on the results of the investigation, extensive petroleum related subsurface impact was discovered. As the purpose of the investigation was to provide due diligence for a potential purchaser of the property, Adam explored various remedial options and cost estimates to assist his client determine an appropriate purchase price for the property and assess the risk associated with property ownership. The property was ultimately enrolled in the NYSDEC Brownfield Cleanup Program.

Former Petroleum Distribution Facility - Berlin, NJ

As project manager, Adam managed a Site Investigation (SI) of a petroleum distribution and truck repair facility in anticipation that the property would be accepted into the New Jersey Department of Environmental Protection (NJDEP) Site Remediation Program. Based on the results of the investigation, several areas of petroleum impacted soil and groundwater were identified at the property. Although portions of the groundwater contamination was clearly the result of on-site operations, a VOC plume appeared to be migrating onto a portion of the site from an adjoining property utilized as a gasoline filling station. As releases were documented at the adjoining gasoline filling station, Adam assisted his client in exploring methods to determine the origin of the groundwater contamination migrating on-site and ultimately the liable party. The property was subsequently accepted into the NJDEP Site Remediation Program.

Railroad Car Manufacturer - Pueblo West, CO

As project manager, Adam managed a site wide subsurface investigation of a manufacturer of railroad cars in Colorado. In addition, an up-gradient chemical manufacturing facility with documented releases had reportedly impacted the local groundwater table. Based on the results of the investigation, Adam was able to determine that the groundwater beneath the subject property had not been impacted. However, arsenic was detected in soils collected from across the site at concentrations above Colorado Department of Public Health and the Environment (CDPHE) guidance and published background levels. Through communication with the CDPHE and the United States Environmental Protection Agency, Adam was able to advise his client that the arsenic concentrations were likely due to a localized elevated arsenic condition and therefore not likely the result of on-site operations.

Apartment Complex - Buffalo, NY

As project and field manager, Adam completed a site wide subsurface investigation of a large apartment complex located in the City of Buffalo. The property was redeveloped as an apartment complex in the 1960's and was historically comprised of several city blocks which included various manufacturing and industrial operations. Based on the result of initial and subsequent investigations, several areas of semi-volatile organic compound (SVOC)

contamination was identified and delineated. As the purpose of the investigation was to provide due diligence for a potential purchaser of the property, Adam explored various remedial options and cost estimates to assist his client determine an appropriate purchase price for the property and assess the risk associated with property ownership.

Historic Gasoline Station - Canandaigua, NY

As project and field manager, Adam completed a subsurface investigation to investigate a historic gasoline station located in Canandaigua, New York. Based on the results, petroleum contaminated soil and groundwater was identified and a spill was reported to the NYSDEC. At the request of the NYSDEC, Adam designed a subsequent subsurface investigation to determine the extent of the subsurface soil and groundwater impact. Based on the results of both studies, the NYSDEC "closed" the spill and did not require further work.

Former Automotive Dealership - Baltimore, MD

As project manager, Adam managed the removal of a large oil/water separator at a vacant automotive dealership. The purpose of the UST removal was to prepare the property for sale to another party. During excavation activities, it was discovered that the reported oil/water separator discharged directly to the ground. Extensive petroleum contaminated soil was encountered and a case was opened by the Maryland Department of the Environment (MDE) Oil Control Program. At the request of the MDE, approximately 800 tons of contaminated soil was removed from the property. On behalf of the property owner, Adam corresponded with the MDE to gain "closure" of the case and the property was sold.

Automotive Repair Facility - Cheektowaga, NY

As project and field manager, Adam was retained to remove three underground storage tanks (USTs) from an automotive repair facility located in Cheektowaga, New York. The purpose of the UST removal was to prepare the property for sale to another party. During UST removal activities, petroleum impacted soil was discovered and a spill was reported to the NYSDEC. At the completion of the project, a total of seven USTs and approximately 1,000-tons of petroleum impacted soil was removed from the property. Based on the work completed, the NYSDEC spill was "closed" and the client successfully sold the property.

Automotive Dealership - Honeoye Falls, NY

As the previous dealership structure was destroyed by fire, the property was being redeveloped with a new dealership facility. During demolition activities in-ground hydraulic lifts were removed from within the building footprint, and petroleum impacted soil was encountered by the general contractor. As such the NYSDEC was notified and a spill was assigned to the site. Adam provided oversight services to the general contractor for removal of approximately 1,500-tons of impacted soil from the property associated with the in-ground hydraulic lifts, former trench drains and oil water separator. Upon removal of the soil, the general contractor was able to complete the new structure. The NYSDEC spill associated with the site remained open as continued groundwater monitoring was required prior to spill closure.

Former Tin Smith - Buffalo, NY

As project and field manager, Adam completed an initial subsurface investigation at a convenient store property that was historically developed with an automotive repair facility and an associated gasoline UST, a varnish shop and a tin shop. The purpose of the investigation was to provide due diligence services for a lending institution which was accepting the property as part of a real estate portfolio as collateral for a commercial loan. Upon completion of the initial investigation, concentrations of SVOCs, lead and mercury were detected at concentrations above NYSDEC guidance within soil samples collected. A subsequent investigation was designed by Adam which successfully delineated the extent of the SVOC and metal impact. As such, approximately 100 tons of contaminated soil was excavated from the property. Upon completion of the work, the lending institution accepted the property as collateral.

Former Gasoline Station Properties - New York City, NY

Adam managed quarterly groundwater sampling and injection events at two former gasoline filling stations for a period of almost three years. Both sites were active New York State Department of Environmental Conservation (NYSDEC) spill sites. Remedial

efforts at the properties included removal of underground storage tanks, removal of petroleum impacted soil, and in-situ groundwater remediation in accordance with NYSDEC requirements.

Former Manufacturing Plant - Gates, NY

As project and field manager, Adam completed a subsurface investigation on behalf of the owner of the facility to characterize the subsurface conditions prior to sale of the property to another party. Based on the results of the subsurface investigation, chlorinated solvent impacted soil and groundwater was identified beneath the facility. As such, Adam completed a vapor intrusion assessment of the building which identified a vapor intrusion issue. Adam designed an extensive subsequent vapor intrusion study to delineate the extent of the vapor impact beneath the building and assisted the property owner with implementing corrective action consisting of a sub-slab depressurization system. As no further work was required, the property owner successfully sold the property.

DAN NOLL

Brownfield Program Manager

Dan has over 18 years of experience with environmental projects at industrial/manufacturing facilities and environmental investigation projects for a variety of clients including developers, financial institutions, industrial clients, and municipalities. Dan has managed numerous Phase II Environmental Site Assessments and remediation projects such as groundwater monitoring programs, soil vapor investigations, test pit investigations, geo-probe investigations, underground storage tank removals, soil removals, bio-cell remediations, and in-situ groundwater remediation. He also has experience with the design and installation oversight of mitigation systems. In addition, Dan has assisted industrial, municipal and agricultural clients with permitting and annual reporting for State Pollution Discharge Elimination System (SPDES) permits, Part 360 Land Application permits, Composting permits, and Petroleum Bulk Storage (PBS) registrations.

PE

Professional Engineer
New York

EDUCATION

Clarkson University: BS, Chemical Engineering

CERTIFICATION/ REGISTRATION

OSHA 40-Hour Certified Hazardous Waste Site Worker Training

OSHA 8-Hour Certified Hazardous Waste Site Worker Refresher Training

Springs Land Company: Carriage Cleaners BCP Site — Rochester, NY

As Project Manager, Dan completed a Brownfield Cleanup Program (BCP) Application & Work Plan to conduct a Remedial Investigation at a former dry cleaning facility. A soil, groundwater, and soil gas study was undertaken to develop remedial costs and assist with redeveloping the property. Subsequently, an Interim Remedial Measure was completed to remove the source area of impacts from the Site. Dan completed a remedial alternatives analysis for selecting a treatment approach for the residual groundwater plume. Dan also attended Town Board Meetings regarding this project.

American Siepmann Corporation: Former Manufacturing Facility BCP Site — Henrietta, NY

Dan was the Project Manager for this Brownfield Cleanup Program (BCP) Site and has overseen the installation of a groundwater monitoring well network and subsequent routine sampling as part of a Monitored Natural Attenuation (MNA) program for remediation of chlorinated groundwater impacts at the Site.

Stern Family Limited Partnership: Former Manufacturing Facility BCP Site — Rochester, NY

Dan was the Project Engineer for this BCP Site, which underwent a Remedial Investigation, Interim Remedial Measures, and installation of a sub-slab depressurization system. Dan completed and stamped the Final Engineering Report required to obtain the Certificate of Completion for the property owner, allowing them to obtain their tax credits.

RJ Dorschel Corporation: Former Gasoline/Service Station BCP Site — Rochester, NY

Dan was the Project Manager for this BCP Site, which included Remedial Investigations at two adjoining parcels, implementation of Interim Remedial Measures, and development of the Final Engineering Report and Site Management Plan. The project also included implementation of necessary Citizen Participation requirements. The project ultimately obtained the Certificate of Completion and thus the NYS tax credits.

One Flint Street Associates: Vacuum Oil BCP Site — Rochester, NY

Dan was the Project Manager for this Brownfield site that is the oldest oil refinery in the United States. The current project includes developing a remedial investigation plan for two parcels that have had a history of oil refining since the 1800s. The remedial investigation was designed to fill data gaps from previous studies in order to minimize cost to the Client.

Genesee Valley Real Estate: Former Bausch & Lomb Facility BCP Site — Rochester, NY

Dan is Project Manager for this Brownfield site that served as a manufacturing facility from the 1930s to the 1970s. The project includes a Remedial Investigation (RI) of a four-acre parcel with ten areas of concern identified based on historic information. The RI identified four areas requiring remedial actions and Interim Remedial Measures have been completed in three of the locations. The areas of remediation included petroleum impacted soil and groundwater with free floating petroleum product, and chlorinated solvent contamination including bedrock impacts at depth. A remedial alternatives analysis is being completed to determine a final remedy for the site.

Former Corning Hospital — Corning, New York

Dan was the project manager for completion of a Phase II Environmental Site Assessment at the Former Corning Hospital and 8 associated adjacent properties. A soil boring and groundwater monitoring program was implemented to identify subsurface impacts associated with former uses of the site including gasoline filling stations and former railroad.

Bajrangee, Inc.: Comfort Inn – BCP Site — Rochester, NY

Dan was the Project Manager for this Brownfield site that included a design phase investigation to determine the extent of remedial work. The remediation work included excavation of chlorinated solvent impacts to soil and groundwater from the basement of the building. This included proper shoring design to facilitate the removal action. A second phase of the remediation included injection of treatment chemicals to address downgradient groundwater impacts.

Alexander Associates: Former Genesee Hospital — Rochester, NY

Dan was Project Manager for a Phase II ESA of a former hospital campus and adjoining parking garage. This assessment included evaluating potential impacts from the hospital chemical storage area, backup generators and associated fuel tanks, and historical site uses which included a former car dealership and service center. The Phase II ESA progressed in to the remediation of a NYSDEC Spill prior to redevelopment of the property. The investigation and remediation work obtained closure of a 20+ year old spill in less than 6-months.

DeCarolis Truck Rental: Petroleum Spill Site Remediation — Rochester, NY

Dan was Project Engineer for this site, responsible for the coordination of the removal/disposal of approximately 800 tons of petroleum impacted soil and development of a confirmatory soil sampling program. Dan also coordinated work with NYSDEC and completed post removal monitoring in order to close the spill file.

City of Rochester: Petroleum Soil Removal & Oxygen Injection System — Rochester, NY

As Project Engineer, Dan developed a soil and groundwater study to investigate former underground storage tanks at a former gasoline/auto repair facility. A remedial alternatives analysis was conducted to evaluate several options for remediating soil and groundwater at the site including light non-aqueous phase liquid. Dan followed this project through remediation which consisted of removing about 1,500 cy of soil and designing/installing an oxygen injection system to remediate groundwater over time.

Hoselton: Petroleum Spill Remediation — Rochester, NY

Dan was project manager for

this project which included the removal and disposal of approximately 900 tons of petroleum impacted soil. Dan negotiated closure of the spill file with NYSDEC by addressing off-site contaminant migration by injection of treatment chemicals at the property line.

Mizkan Americas: Lagoon Design/Construction and SPDES Permitting — Lyndonville, NY

Dan served as the Project Manager and Engineer for the design and construction assistance for a 700,000 gallon lagoon to store food-grade wastewater. The objective was to reduce facility costs by discharge of food-grade wastewater to local sprayfields. The lagoon was designed and installed in accordance with NYSDEC requirements in order to store wastewater during the non-spraying season. This is a 20+ year old client who built their existing lagoon with LaBella's assistance in 1987. Project also includes permitting through NYSDEC SPDES (State Pollution Discharge Elimination System) Program.

Leo Dickson and Sons, Inc.: Land Application and Composting Permits — Bath, NY

Dan managed a project to permit a facility for composting of wastewater biosolids. The project included developing a report for NYSDEC to document design details for the facility, facility operations, and proposed monitoring. The facility received a NYSDEC Part 360 Composting Permit. In addition, Dan continues to provide annual reporting services for ensuring the facility operates within the permit conditions. He also assists this client with the annual reporting and permit renewals of a 2,000+ acre land application project under NYSDEC Part 360 solid waste regulations. The land application work includes permitting approximately 16 municipal facilities for land application.

City of Hornell: Land Application Reporting, Permit Renewals and Modifications — Hornell, NY

Project Manager and Engineer responsible for assisting the City of Hornell with their annual Land Application Reporting, permit renewals and modifications to their permit for over 20 years. In addition to completing each annual report in the past five years, LaBella also recently assisted the City of Hornell with their Permit Renewal (May 2010) and a Permit Modification (July 2011). LaBella has assisted the City of Hornell for the past 20 years with permitting approximately 498 acres of land for their biosolids application work. Hornell conducts land applications via subsurface injection and typically applies 700,000 to 1 Million gallons annually. In 2011, LaBella assisted Hornell with permitting approximately 204 acres of land. LaBella assisted with all aspects of the process including coordinating with agencies, wetland issues, test pitting, soil sampling, etc. LaBella's work with the City of Hornell has provided us with significant experience in quickly determining issues that require resolution/clarification as a first step prior to completing the application process.

Former Emerson Power Transmission Facility — Ithaca, NY

Dan completed a detailed review of this 100-acre site with 800,000 sq. ft. of manufacturing space. The site is in the NYSDEC Inactive Hazardous Waste Disposal Site registry and was a heavy industrial facility for over 100 years. The facility closed in 2009 and Dan is the project manager for environmental due diligence activities for a potential buyer. The facility has known issues with chlorinated solvents in bedrock and with significant off-site impacts. The overall project will include a detailed and in-depth environmental site assessment with sampling for soil, bedrock, groundwater, soil gas, sediments, and surface waters in order to document any impacts above NYSDEC criteria and thus limit liability for the purchaser.

City of Rochester: Genesee River Dredging Project — Rochester, NY

Dan managed a project to permit three areas for dredging near the mouth of the Genesee River. The project included evaluating the previous dredging operations in the area, the existing sediment sampling data, sediment levels, discharge points in the area to be dredged and 3-D modeling of the sediments for accurate volume calculations. This information was summarized in a presentation to NYSDEC and the Army Corp of Engineers in order to streamline the permitting process and determine any additional requirements for obtaining a permit. Subsequent to the presentation, Dan developed the permit and submitted them to the Client for signature, and then approval by regulatory agencies.

MRB Group: Sediment Sampling Project — Erie Canal, NY

Dan managed a project to pre-

characterize sediment in the Erie Canal in order to determine the depth and volume of sediment in the work area, as well as the waste disposal requirements. This work was conducted prior to a utility line installation project in order to determine the feasibility of the project and the associated costs.

Dansville Properties, Inc.: Former Foster Wheeler Facility — Dansville, NY

Dan managed the effort to close out existing NYSDEC and EPA permits for the former facility and subsequently obtained permits for the new facility, which included multiple industrial companies operating throughout the campus. The permitting effort included obtaining: a sewer use permit from the local municipality, a SPDES Multi-Sector General Permit, RCRA Generator ID, Title V Air Permit, and PBS Registration.

Buckingham Properties: Manufacturing Facility — Rochester, NY

Dan assisted a developer that purchased a former Bausch & Lomb manufacturing facility to obtain a SPDES Permit for Industrial Discharges. This project included assessing the new operations and discussion of the Site with NYSDEC to determine the appropriate permits for the facility, since multiple tenants with various operations were in operation at the Site.

City of Rochester: Port Marina — Rochester NY

Dan assisted with the environmental investigation of the City of Rochester Port Marina. This project included evaluating the extent of slag fill materials that would require proper management during any redevelopment work. The extent of slag was evaluated by implementing a grid pattern of soil borings and using the resulting data to develop a 3-dimensional model of the subsurface at the Site. This model was used to generate volumes of material to be disturbed during redevelopment and estimate the cost burden of the environmental portion of the project. This project also included evaluating the magnitude and permitting of a massive dewatering program to allow the mass excavation to be completed.

City of Rochester: Former Forestry Building — Rochester, NY

Dan managed a project to evaluate the extent of mercury impacts at a former City of Rochester Forestry operations building. The project included multiple rounds of sampling at various depths in order to determine the extent of mercury impacted soils that required removal prior to redevelopment of the Site by a local manufacturing company.

Valeo North America: Former Valeo Facility — Rochester, NY

Dan managed Remedial Investigations of two areas of potential contamination at this former manufacturing facility. These assessments included evaluating bedrock groundwater for plating waste impacts (metals and chlorinated solvents). These evaluations were complicated by the fact that multiple industrial companies were in operation at the Site in the past and thus requiring LaBella to provide a focused assessment to only evaluate potential Valeo responsibilities.

City of Rochester: NYSDEC Legacy Site Soil Vapor Intrusion Project — Rochester, NY

Dan is Project Manager for this project which includes evaluating soil vapor intrusion from a former 230-acre municipal landfill with methane gas and chlorinated solvent impacts. The landfill was converted into an industrial park after closure in 1971 and is now developed with 45 separate parcels and over 2,000,000 square feet of building space. This challenging project included obtaining access from 27 different property owners and conducting site assessments at each facility and separately evaluating groundwater impacts over approximately 20-acre area. The results of this work determined the cost burden and liability of the City for addressing soil vapor intrusion. LaBella utilized all of the following mitigation approaches for minimizing this significant cost burden to the City: sealing of floors, vapor barriers, sub-slab depressurization systems and building pressurization depending on building conditions/uses.

City of Rochester: Vacuum Oil Brownfield Opportunity Area — Rochester, NY

Dan was Project Engineer for this project and his role was to develop a Pre-Nomination Study Report to facilitate entering the area into the NYSDEC Brownfield Opportunity Area program. The pre-nomination study included evaluating demographics of the area, current and past property uses, property ownership, area-wide utilities, etc. The pre-nomination report was approved by NYS Department of State and a grant was approved for the next phase of the BOA program.

Yates County: Environmental Restoration Program — Penn Yan, NY

Dan was project manager for this Environmental Restoration Program site that included completing a Remedial Investigation at the site and developing a Site Management Plan to guide future redevelopment in-conjunction with remediation. This project turned a liability into an asset for the County.

Monroe County: Crime Lab Property Acquisition — Rochester, NY

Dan was project manager for this project which included conducting Phase I ESAs and Phase II ESAs at three properties being considered for development by the County for a new crime lab facility. The project included investigation and remedial cost estimates for the County to use in property acquisition negotiations. After property selection, Dan assisted with implementation of a remedial program that included removal of over 3,000 tons of NYSDEC Regulated Solid Waste. In addition, he designed and oversaw installation of a sub-slab depressurization system for addressing soil vapor intrusion concerns at the approximate 11,000 square foot new building.

City of Rochester: Fill Relocation and Sub-Slab Mitigation System — Rochester, NY

Dan was project manager for this project which relocated approximately 3,000 cubic yards of fill material from a development site that is located on a former landfill operated by the City of Rochester. This work was conducted for the City but on private property. The fill was relocated and placed in a soil berm on City property with NYSDEC approval. In addition, Dan designed and oversaw construction of a sub-slab depressurization system for the new 8,000 square foot building.

City of Rochester: Bureau of Water, Lighting, and Parking Meter Operations — Rochester, NY

As Environmental Engineer, Dan worked on the redevelopment of the current site for reuse as a new facility for the operations center, which included the following tasks: delineate the extent of soil and groundwater contamination, evaluate potential remediation options, develop a Comprehensive Action Plan (CAP), assist in the development of remediation specifications, and identify the scope of potential Interim Remedial Measures (IRMs) at the site.

935 West Broad Street Petroleum Spill Site Characterization and Corrective Action — Rochester, NY

As Project Engineer, Dan developed a soil and groundwater study to investigate former underground storage tanks at a former gasoline/ auto repair facility. A remedial alternatives analysis was conducted to evaluate several options for remediating soil and groundwater at the site including light non-aqueous phase liquid. Dan followed this project through remediation which consisted of removing about 1,500 cy of soil and installing an oxygen injection system to remediate groundwater over time.

CHRIS KIBLER

Environmental Analyst

Chris is a Project Scientist with several years of professional consulting experience. Working with financial institutions, attorneys, private developers and municipalities, he conducts ESAs in support of real estate transactions and brownfield redevelopment initiatives. Chris' experience includes historical and regulatory records review, field sampling and data collection using a variety of techniques and equipment; the review and evaluation of field and laboratory analytical data; and the preparation of technical reports defining potential environmental liabilities and, if warranted, remedial options.

In addition, Chris has experience managing projects encompassing Phase II Site Assessments, brownfield investigation, remediation and redevelopment, underground storage tank (UST) removal, vapor intrusion, geophysical surveys, and tank tightness testing. Furthermore, he has working knowledge of regulatory criteria/compliance relating to projects within several states including New York, Pennsylvania, Maryland, New Jersey, Ohio, Delaware and Virginia.

EDUCATION

University at Buffalo: BA, Geography-Physical and Environmental Systems

ORGANIZATIONS

New York State Commercial Association of Realtors

CERTIFICATION/ REGISTRATION

Environmental Professional

OSHA 40-hour HAZWOPER

OSHA 8-Hour HAZWOPER Refresher January, 2017

Princeton Groundwater Pollution and Hydrology Training

Phase I Environment Site Assessments - Northeastern United States

Performed numerous Phase I ESAs and Transaction Screens on a wide variety of residential, commercial, industrial, and manufacturing facilities including gasoline stations, repair shops, apartment complexes, office buildings, and restaurants including but not limited to the following groups:

Financial Institutions

Bank of Akron, Bank of the Fingerlakes, Canandaigua National Bank, Citizens Bank, Community Bank, NA, Evans Bank, Five Star Bank, JP Morgan Chase Bank, Key Bank, Lakeshore Savings, Lyons National Bank, M&T Bank, Northwest Bank, PNC Bank

Municipal & Government Clients

Niagara County Department of Economic Development, Niagara County Refuse Disposal District, New York State Department of Environmental Conservation, Seneca Nation of Indians

Development & Construction Companies

Benderson Development, Buffalo Niagara Riverkeeper, Phillips Lytle, LP, The Benchmark Group, Ciminelli Real Estate Corporation

Phase II Environmental Site Assessments - Barker Chemical - Barker, New York

A site-wide investigation was completed to determine conditions at the former Barker Chemical in Barker, New York. Such included testing of surface water, groundwater, surface soil and subsurface soil at the Site.

Historical use of the property included manufacturing and distribution of fungicides and herbicides. The results of this investigation were utilized to identify viable remedial options for the Site and potentially clear it for redevelopment.

2020 River Road - Wheatfield, New York

A site-wide investigation was completed to determine conditions at the property located at 2020 River Road, Wheatfield, New York. Such included environmental and radiological testing of surface soil at the site. In addition, test pits were conducted throughout the property including environmental and radiological testing of the subsurface soil. Historically, the property was utilized for filling purposes including industrial-type wastes such as slag, ash, cinders, fire-brick, coal and foundry sand. The results of this investigation were utilized to determine if the Town of Wheatfield could redevelop the property into a public park.

Carr's Warehouse - Batavia, New York

A site-wide investigation was completed to determine conditions at the property in Batavia, New York. Such included subsurface soil and groundwater testing at the site. The results of this investigation were utilized to evaluate reuse options for the property through the City of Batavia's Brownfield Opportunity Area Program Grant.

Vapor Intrusion Assessment-Commercial Plaza - Alden, New York

Vapor intrusion assessment of a commercial plaza which historically contained dry cleaning operations. Included the collection and laboratory analysis of sub-slab vapor and indoor air samples; the evaluation of the resulting data relative to applicable regulatory guidance; and the preparation of a technical report with recommendations for mitigation.

120-Acre GMCH Site - Lockport, New York

A site-wide investigation was completed to determine conditions at the site located in Lockport, New York, prior to acquisition of the property. Such included environmental and radiological testing of surface soil , subsurface soil and sediment.

Della Penna Site - Batavia, New York

A site-wide investigation was completed to determine conditions at the property in Batavia, New York. Such included subsurface soil and groundwater testing at the site. The results of this investigation were utilized to evaluate reuse options for the property through the City of Batavia's Brownfield Opportunity Area Program Grant.

Delta Sonic - Buffalo, New York

A site-wide investigation was completed to determine conditions at the property in Buffalo, New York. Such included subsurface soil and groundwater testing at the site. The results of the investigation were utilized to assist in the replacement of the fuel assets at the facility.

Brownfield Redevelopment Project, Covanta Rail-to-Truck Intermodal Facility - Niagara Falls, New York

Field Manager for the accelerated investigation, remediation and redevelopment for a 15-acre former industrial site for use as a Rail-to-Truck Intermodal Facility (RTIF). The project is being advanced under the Brownfield Cleanup Program (BCP) and has involved the completion of a Remedial Investigation; development of a NYSDEC-approved Remedial Action Work Plan to address a range of contamination, including radioactive slag; obtaining site plan approval for the proposed development; and completing site and architectural design of the RTIF. The remedial design and site design efforts were fully integrated to produce a cleanup plan that coincides with the site development plan and optimizes the project schedule.

Brownfield Opportunity Area Step 1 Nomination Study Batavia Central Corridor - Batavia, New York

Environmental Analyst for the characterization and analysis of environmental conditions and redevelopment opportunities within a 250-acre area in the center of the City of Batavia.

USEPA Brownfield Site-Philadelphia Furniture - Salamanca, New York

A site-wide investigation was completed to determine conditions at the property due to historical operations of concern and fill placement. Such included environmental testing of the surface and subsurface soil, and groundwater at the site. The results of this investigation were utilized to evaluate redevelopment options for the property through the USEPA Brownfield Assessment Grant Program.

Track 266 Relocation Easement - Niagara Falls, New York

Field manager responsible for environmental and radiological monitoring during the remediation of soil/fill and relocation of CSX Track 266 at the property. Additional responsibilities included oversight, management of personnel and document preparation.

Occidental Chemical Corporation: Hydrogen Line Excavation - Niagara Falls, New York

Field manager responsible for environmental and radiological monitoring during the excavation of, and installation of a protection casing over a hydrogen line. Additional responsibilities included oversight, management of personnel and document preparation.

Niagara County Refuse Disposal District Monitoring - Lockport, New York

Implementation of fieldwork and reporting for the quarterly monitoring program at the Niagara County Refuse Disposal District's active and closed landfills. The work includes the performance of gas monitoring, leachate and groundwater sampling, data summary and evaluation, and quarterly and annual reporting.

Global Concepts Charter School - Lackawanna, New York

Lead was detected in the potable drinking water from ten outlets at the property. Subsequently, these locations were fitted with Brita filtration systems. Following installation of such, Chris served as the field technician for the collection and laboratory analysis of ten potable water samples from each of the ten source outlets previously identified with lead concentrations of concern. The samples were assessed in accordance with USEPA sampling protocols by collecting a first draw sample from each outlet. It was determined thereafter that installation of the Brita filters successfully remedied the previously-identified lead levels of concern at the Site.

RICK ROTE

Senior Industrial Hygienist

Rick is a Certified Industrial Hygienist with a background in occupational and public safety. He brings to his projects an expertise in asbestos, lead, PCB and the management of hazardous materials. Projects have included building surveys, hazard assessments, abatement project planning, and project inspection and monitoring. Rick manages LaBella's in-house laboratory for asbestos air and bulk samples, as well as managing air monitoring projects. His responsibility is to identify environmental impacts, and design and manage appropriate environmental responses for these projects.

MS, CIH

Master of Science
Certified Industrial Hygienist

EDUCATION

University of Rochester: MS, Industrial Hygiene

St. Lawrence University: BS, Geology

ORGANIZATIONS

American Industrial Hygiene Association

American Board of Industrial Hygiene

Air & Waste Management

American Society of Safety Engineers

CERTIFICATION/ REGISTRATION

NC Asbestos Inspector & Abatement Designer

40 Hour Hazwaste

Beard Hall Asbestos Inspection, UNC Chapel Hill, Chapel Hill NC

Rick completed a comprehensive inspection of the second and third floors of the building and the attic in support of a major renovation. Existing inspection and abatement documentation was carefully reviewed and utilized to prevent duplicate sampling. An inspection report for asbestos, lead paint, mercury and perchlorates was provided and abatement options were reviewed. Abatement drawings and specifications were prepared separately but in conjunction with the larger renovation project. SCO approval was received without need for modification.

The work was completed under an Open Ended Design Services Agreement with the University. Contract services include inspection for regulated building materials such as asbestos, lead paint, mercury, and PCB, and abatement design services in support of the preparation of bid documents.

Pre-renovation Asbestos Inspection | Carolinas Telco Federal Credit Union | Charlotte, NC

A comprehensive building asbestos inspection was completed, except for the roof, to assist with renovation design feasibility and to provide an approximate abatement cost estimate. The building is a main branch and office, and was in active use when the inspection was completed. Pipe insulation and floor tile were identified, and the exterior is sided with thick asbestos cement panels. Abatement design, including abatement drawings and specifications, is anticipated.

Wallace House Renovation | Mitchell Community College | Statesville, NC

Project Manager responsible for a pre-renovation asbestos inspection of a historic building used for arts instruction. Abatement of flooring and pipe insulation was required as part of the extensive renovation to convert the one-time residence to an alumni support and meeting facility.

Blue Heel Development |

LaBella
Powered by partnership.

Huntersville, NC

Rick was Project Manager of a Phase I and an asbestos inspection required for the development of a site and the construction of town homes. The Phase I uncovered the presence of a UST and the asbestos inspection revealed the presence of several asbestos-containing materials. Rick managed the abatement design and tank removal projects.

Community Medicine Foundation, Inc | Rock Hill, SC

Rick managed a series of projects facilitating the preparation of a site for the construction of a new medical services building. The projects included a Phase I, Phase II, geotechnical services, asbestos inspection & abatement design, UST removal and building demolition. Due to the use of federal grant money, a NEPA Environmental Assessment was required for the project Site. Construction of the new building began after successful completion of these projects.

BeeBee Station | RG&E Rochester, NY

Rick served as Project Manager for Regulated Building Material abatement design for the abatement required prior to the demolition of a dozen support buildings and associated exterior piping. Existing inspection reports were reviewed, deficiencies identified and data gaps filled with additional investigation and sampling. Abatement drawings and specifications were prepared for bid. Asbestos-containing materials were field marked for easy identification to aid both the bid and the abatement process.

College Town, LLC | Asbestos, PCB & Lead Inspection, Design, & Monitoring for Building Demolition Rochester, NY

Project Manager for hazardous materials management services provided to CollegeTown, LLC for the demolition of 3 large commercial buildings in preparation for the development of the new College Town Project site. Rick was responsible for the management of all services, including building inspection, abatement design, variance development and submission, bid document preparation, bid support and project and air monitoring.

Rick's team prepared site-specific variances proposing methods allowing safe demolition with non-friable asbestos in-place, saving the project significant time and money.

Asbestos Term Agreement | Rochester Housing Authority Rochester, NY

Rick manages LaBella Associates' Term Agreement (4 consecutive years) for Asbestos Management Services. His responsibilities include coordinating scheduling and supervising field work, abatement design, variance development, reviewing final reports and contract management. Services include Project and Air Monitoring during abatement. Projects have ranged from single family homes to multi-building residential complexes.

Wegmans Food Markets | M&T Bank Pre-demo Abatement Rochester, NY

Rick was the project manager for the regulated building materials inspection and abatement design required to accomplish the demolition of the 7 story bank and the adjacent parking garage. The inspection revealed spray-on fireproofing and other ACMs, as well as extensive use of PCB caulk around the exterior of both structures and on the interior side of windows. Fireproofing was identified between structural steel and exterior pre-fabricated cement panels, requiring partial demolition of the panels to gain access for abatement in otherwise inaccessible locations. This was a unique and challenging project, requiring innovative design and flexible response.

Wegmans Food Markets | Asbestos Inspection, Design, & Monitoring for Store Demolition Rochester, NY

Project Manager for hazardous materials management services provided to Wegmans for over 15 years, including the demolition of buildings at 10 retail store sites. Rick is responsible for the management of all services, including building inspection, abatement design, bid document preparation, bid support and project and air monitoring.

Rick's team has provided the same services for pre-renovation projects that have occurred in Wegmans stores, as well a number of leased spaces.

Monroe Community College Downtown Campus | Monroe County | Rochester, NY

Project Manager responsible for all regulated building materials inspection and abatement design services to support required abatement for the conversion of former Kodak Office Building

space into the MCC Downtown Campus. This scope required a floor-by-floor investigation of 250,000 square feet of office space and mechanical rooms for asbestos-containing materials, lead-based paint (LBP), PCB-containing items, mercury and others. Coordination and phasing considerations were important due to the multiple work areas across the seven floors and rooftop.

LaBella completed the investigation and determination of suspect ACMs discovered at the Site. Samples of suspect materials were collected and submitted to our in-house laboratory for analysis. Abatement drawings and specifications were prepared for bidding. The inspection and abatement design work for this 3 million dollar abatement/ demolition project was completed within the original budget.

Environmental Testing Term Agreement | Monroe County Rochester, NY

Rick is the Project Manager for LaBella's term agreement service (with annual renewals since 1999) for hazardous materials inspection and abatement design with Monroe County. Projects range from small utility spaces to large multi-story commercial complexes. Recently completed projects include: MCC multi-year window replacement project, Monroe County Jail (asbestos & lead paint testing), MCC Field House Addition, Monroe Community Hospital renovations and Faith Wing roof replacement.

Asbestos Inspection and Abatement Design | University of Rochester | SWBR

Project Manager for asbestos and lead paint inspection, and abatement design services supporting renovation of the coffee shop lounge in Wilson Hall. The lounge area, the Lobby below and the entrance way were inspected for asbestos and lead paint. Abatement specifications and drawings were prepared for the project bid documents.

Asbestos Inspection and Abatement Design | University of Rochester | HBT Architects

Project Manager for asbestos and lead paint inspection, and abatement design services supporting renovation of a pair of bathrooms. The bathrooms and associated chases were inspected for asbestos and lead paint. Abatement specifications and drawings were prepared for the project bid documents.

Asbestos Inspection and Abatement Design | University of Rochester | SWBR

Project Manager for asbestos and lead paint inspection, and abatement design services supporting a classroom and office space renovation project in Gavett Hall. Inspections were completed in various spaces that would be impacted by the project. Abatement specifications and drawings were prepared for the abatement required for the renovations.

Asbestos Inspection and Abatement Design | Gates Chili Central School District Gates, NY

Project Manager for asbestos and lead paint inspection, and abatement design services related to improvements and modifications to 10 buildings. Asbestos and lead management services have been provided for an on-going series projects since 2009. The project work requires coordination between the project team, school staff, and several architectural firms.

Asbestos Inspection and Abatement Design | Greece Central School District Greece, NY

Project Manager of the Team providing pre-renovation asbestos inspection and abatement design services for the district-wide Excel II Capital Improvement Project. Extensive renovations will impact asbestos in nearly every school. AHERA records are reviewed, spaces inspected, reports written, specifications prepared and abatement drawings created for each affected school.

Mills II | Urban League of Rochester, Economic Development Corporation Rochester, NY

Rick was the project manager of lead and asbestos services for a rehab project converting a section of vacant street side shops and housing into multiple housing units. Inspection and lead remediation design services were provided. Architecturally important wooden door and window parts were saved, de-leaded, painted and re-installed. Worker safety required interim lead clearance testing during different phases of construction, and final clearance testing was performed for each of 21 housing units.

Asbestos Abatement Design | Fredric Douglas Building University of Rochester, Rochester, NY

Project Manager and lead

abatement designer for Phase I of a major building renovation project. A thorough review of a recently completing building asbestos inspection preceded the preparation of detailed abatement drawings for 4 floors of the building. Abatement specifications were also prepared for the bid package.

Asbestos Inspection, Design, and Monitoring for Renovation | Rush Henrietta Central School District Henrietta, NY

Project Manager for regulated building materials management services provided to the school district for the renovation of six schools. Services, including hazardous materials inspection, abatement design, bid document preparation, bid support and project and air monitoring, have been provided over a 10 year period.

Asbestos Term Agreement | NYSDOT Statewide, NY

Rick managed LaBella Associates' six Term Agreements for Asbestos Management, spanning over 20 years. His responsibilities included coordinating scheduling and supervising field work, reviewing final reports and contract management. Services are provided to four regions and included asbestos sampling, analysis, Project Design, Project Monitoring and Air Monitoring. Over the six consecutive term agreements, Rick's group has inspected hundreds of bridges and completed over one hundred pre-demolition surveys of other structures. (1990 – 2010)

Asbestos Inspection and Abatement Design | Hilton Central School District Hilton, NY

Project Manager for asbestos and lead paint inspection, and abatement design services in support of the District 2013 Capital Improvements project. Five schools and the Facilities & Transportation buildings were inspected for the project. Abatement specifications and drawings were prepared in response to the planned renovations.

Asbestos Inspection and Abatement Design | Dansville Central School District Dansville, NY

Project Manager for asbestos and lead paint inspection, and abatement design services in support of the District 2012 Capital Improvements project. The Primary, Elementary and High Schools were inspected for the project. Abatement specifications and drawings were prepared in response to the planned renovations.

Asbestos Inspection and Abatement Design | Spencerport Central School District Spencerport, NY

Project Manager for asbestos and lead paint inspection, and abatement design services in support of projects at several different schools in 2012 and 2013. Inspections were completed in various spaces that would be impacted by the projects. Abatement specifications and drawings were prepared in response to the planned renovations.

Asbestos Inspection and Abatement Design | Rochester Joint Schools Construction Board Rochester, NY

Project Manager for asbestos, PCB and lead paint inspection, and abatement design services in support of major renovation projects at School 28 and Edison Technical School. The presence of spray-on insulation required careful inspection methods and PCB caulk presented challenging design issues at School 28. Abatement specifications and drawings were prepared in response to the planned renovations at both schools.

Asbestos Inspection | English Village Apartments Rochester, NY

Project Manager for asbestos and lead paint inspection of a limited number of units to develop an Asbestos-containing Materials report that was representative of 550 units present at the site. The client's requirement for an accurate abatement cost estimate and sufficient documentation for bidding and abatement were successfully satisfied (2003).

Monroe County Water Authority | 2010 Roof Replacement Projects Rochester, NY

Rick was the Project Manager for an asbestos inspection and abatement design project required for roof replacements at two facilities. Testing was completed, specs and drawings prepared, and a cost estimate generated for both sites. Project Monitoring services were provided for one roof project completed in 2010.

Environmental Services | NYST Statewide, NY

Project Manager for a multi-disciplined professional service agreement. Responsibilities included supervising asbestos inspections, testing, abatement design, Project Monitoring and contract management.

Holy Family Catholic Community | Hazardous Materials Pre-Demo Inspection, Abatement & Demo Design Rochester, NY

A hazardous materials pre-demo inspection was performed at the St. Joseph School. Abatement and demolition design and bid support services were provided. Project Monitoring was performed during abatement and construction management services were provided during demolition.

Asbestos Inspection and Abatement Design for Pioch Hall, Basil Hall, and Science Center | St. John Fisher College Rochester, NY

Project Manager for the asbestos inspections and abatement design services. Planned renovations and selective demolition required inspection and testing materials likely to be disturbed by the project. The project required coordination with college staff, the contractor and school schedules.

Bureau of Water, Lighting, and Parking Meter Operations Rochester, NY

Rick served as Project Manager, where pre-existing asbestos inspection reports were field verified, and previously untested materials were sampled and submitted for analysis. The buildings were assessed for lead, mercury lamps and PCBs. A detailed cost estimate, abatement specifications, and drawings were prepared.

Port of Rochester Redevelopment Rochester, NY

Project Manager for the asbestos inspection, abatement design and project monitoring services were a component of a much larger project involving the design and construction of a new ferry and customs terminal at the Port of Rochester.

Former Photech Plant Pre-demolition Inspection | City of Rochester - Rochester, NY

Project Manager for the comprehensive inspection of hazardous and Regulated Building Materials at a 3 acre former industrial site, abandoned for many years. Inspection and design were hampered by years of vandalism and widespread industrial chemical contamination. Staff completed inspections, prepared a pre-demo report, abatement drawings, specifications, provided bid support, and project and air monitoring.

Hazardous Materials Inspection and Testing | Garlock Sealing Technologies Palmyra, NY

Rick was Project Manager for the comprehensive hazardous materials inspection and testing of an 80 year old industrial building slated for a complete renovation. Specifications and drawings were prepared for the abatement of ACM, PCB, and mercury-containing items.

SUNY Fredonia | Alumni Hall Bathroom Updates Fredonia, NY

Project Manager of inspection and abatement design services for the management of asbestos, PCB, lead and mercury related to the rehabilitation of eight student bathrooms in Alumni Hall. Tile floors and walls were cored to determine the presence of asbestos-containing waterproofing. Specifications and drawings were prepared for the abatement of asbestos, lead and mercury -containing light bulbs. Abatement was completed in the spring of 2011. LaBella provided project and air monitoring services during abatement of asbestos plaster ceilings and insulated light fixtures from the eight bathrooms.

Erdman Anthony | State University at Buffalo, Cary, Farber, & Sherman Halls | AM/PM Services Buffalo, NY

Project Manager for all air and project monitoring required during the abatement of pipe insulation, duct insulation, floor tile, and caulk for a facilities upgrade project at Cary, Farber & Sherman Halls. Coordination and phasing considerations were important due to the building remaining occupied and the need for multiple work areas across three buildings.

DASNY | SUNY Oswego, Onondaga Hall | ACM and Lead Inspection and Testing Oswego, NY

Rick was the manager of the asbestos and lead inspection and testing efforts required for this project. The planned work presented the potential for impact of asbestos-containing materials (ACM) and lead-based paint. Rick conducted the lead inspection and assisted with the asbestos inspection of bathrooms in this high rise dormitory. A major renovation project for the upgrade of bathrooms and restrooms in the dorm required new fixtures, finishes and plumbing. Abatement specifications and drawings are being prepared for the abatement of confirmed ACM; all paint coatings were found to be lead-free.

iKon 5 | SUNY Alfred, Harder Hall

| AM/PM Services (2010) Alfred, NY

Project Manager for the air and project monitoring services required during the abatement of acoustical ceiling coating and floor tile at Harder Hall. Abatement was completed in several work areas during the summer months of 2010. Additional suspect materials were discovered during construction, including the identification of suspected pipe insulation in a steam tunnel and foundation wall waterproofing. LaBella assisted with the collection of bulk samples. Samples of suspect materials were submitted to our in-house laboratory for analysis and rush turn around. PCM air samples were also analyzed at the LaBella laboratory.

Hall Partnership | SUNY Alfred, McMahon Hall | AM/PM Services Alfred, NY

Rick was responsible for the successful completion of all air and project monitoring required during the abatement of pipe insulation, floor tile, and other ACM at McMahon Hall. During construction other suspect materials were identified; samples were collected and tested in the LaBella laboratory. An incidental disturbance of pipe insulation was identified, delimited, and quantified. Advice and oversight was provided during the response to the disturbance.

SUNY Alfred | Greenhouses, Asbestos Inspection, Abatement Design, & Demolition Specifications Alfred, NY

Project Manager for the asbestos and lead inspection and testing of three greenhouses slated for demolition. Specifications and drawings were prepared for abatement and subsequent demolition.

HOK | SUNY Geneseo, Greene Hall | AM/PM Services Geneseo, NY

Rick was Project Manager responsible for overseeing all air and project monitoring required during the abatement of pipe insulation, floor tile, asbestos & PCB caulk and other ACM at Greene Hall.

Feasibility Study | Newark Housing Authority Newark, NY

Project Manager for a feasibility study for the conversion of 13 buildings and over 1million s.f. of floor space to day treatment and senior assisted housing. A comprehensive asbestos inspection was completed for 7 buildings and nearly half the floor space to prepare abatement cost estimates as part of the feasibility study.

Asbestos Inspection and Abatement | Boylan Brown Rochester, NY

Project Manager for the inspection of 5,000 s.f. of professional building in preparation for demolition. Prepared abatement design and specifications for removal of ACM, light ballasts, and refrigeration. Services included pre-bid support and walkthrough, AM/PM during abatement.

SUCF 12338 | SUNY Potsdam | Upgrade Site Utilities Phase 3 Potsdam, NY

Project scope consisted of the upgrade and reconstruction of site infrastructure including roadways, parking lots, sidewalks, site storm drainage systems, and site accessory elements on the campus. Rick acted as Project Manager of inspections and testing necessary to determine the presence of asbestos-containing materials such as caulks, joint fillers, Transite, waterproofing, etc in the structures impacted by these improvements. LaBella provided abatement design services, which included the preparation of the specification sections and abatement drawings.

SUCF 02352 | SUNY Brockport | Infrastructure Improvements Brockport, NY

Rick acted as Project Manager of the pre-renovation regulated building materials sampling survey and the abatement design for this project. Rick managed the air and project monitoring required during construction.

HEALTH & SAFETY

Rick, LaBella's Laboratory Director, is an industrial hygienist certified in the Comprehensive Practice of Industrial Hygiene. He has been providing health, safety and environmental services to LaBella clients for 20 years. Prior to joining LaBella Associates, he worked over 10 years for Eastman Kodak Company. Rick has conducted a wide variety of industrial hygiene investigations including:

Industrial Hygiene Walk-Through Surveys, OSHA Personnel Exposure Studies, Noise Exposure Studies, OSHA Compliance Programs and Audits, Asbestos Site Surveys, Indoor Air Quality Studies, Mold Assessment and Testing, Non- ionizing Radiation Surveys, and Health & Safety Plans for Hazardous Waste Sites.

Rick has performed exposure studies for a wide variety of agents, from carcinogens and heavy metals to simple irritants and asphyxiates. He is routinely called upon to complete indoor air quality studies, including the assessment of 'Toxic Mold' contamination and potential for occupant exposure. In some studies, computerized data acquisition is used, allowing for complex data analysis and graphical representations of results. In another area of data management, he designed and helped to develop a database for tracking employee exposure histories and training.

Rick has prepared corporate programs for compliance with OSHA regulations such as Confined Space, Lock Out/ Tag Out, Respiratory Protection, Hazard Communication, asbestos, lead and others.

Health & Safety Training

Rick has extensive experience with employee health and safety training programs. He has provided Hazard Communication, Right to Know and Hazard Awareness training courses for many large organizations. Average class sizes ranged from 10 - 30 people. Some of the training courses Rick has prepared and presented are:

Lead, Hazard Communication, Hearing Conservation, Confined Space Entry, Respiratory Protection, Lock Out/Tag Out, and Lab Safety.

Legionella Assessment – 2 Projects - RIT, Contact: David Armanini, (585) 475-2040, daaehs@rit.edu

An assessment of several ventilation systems serving a main campus building was conducted after standing water was recognized to be present within system components. Several systems had condensation pans which, by design, collected and held pooled water several inches deep. The water in these systems was tested for Legionella, and Legionella was not detected. Two other systems had large diameter return air ducts placed well below grade in the basement of the building. Groundwater was naturally infiltrating and collecting in low areas of duct. The infiltrating water was tested at several locations and found to contain non-viable Legionella and evidence of bacterial slime. Cleaning of the duct and remediation of the water infiltration was recommended. Specifications were prepared for appropriate cleaning methods.

Water samples were collected from condensation pans from two ventilation systems in the Student Alumni Union Building, and air samples were collected in several areas served by those ventilations systems. Legionella was detected by the PCR method at low levels in both sets of samples. Facilities took immediate steps to reduce ventilation and treat the contained water in the systems. Water and air sampling were repeated several times using viable analytical methods until consecutive clean samples confirmed that Legionella was no longer present.

Astra Zeneca | Environmental, Health & Safety Management

Project Manager for on-site environmental, health & safety management services to a large pharmaceutical research facility through a four year contract. LaBella's personnel were responsible for day to day health & safety responsibilities, including facility inspections, accident investigation and reporting, chemical exposure monitoring, compliance program updates and employee training. LaBella was also responsible for the on-going collection and disposal of all chemical and biological wastes generated at the facility.

The contract terminated when the company relocated to an out of state facility. LaBella managed the environmental shut down operations of the facility. Labs and storage areas were inspected for remaining chemicals. Unused chemicals and chemical wastes were marshaled in selected areas and sorted in preparation for lab pack disposal. Disposal contractors were interviewed and the chemical disposal was bid out. Non-hazardous laboratory equipment and supplies were collected in selected areas and made available to local schools and clinics free of charge. Lab hoods were tested for contaminated residues and cleaned as appropriate. Dumpsters were ordered for the disposal of non-hazardous materials. A cleaning company was contracted to complete a final clean to leave the space as required in the lease.

Nazareth College | HSE Compliance Services

Project Manager for the assessment of compliance with OSHA and environmental regulations and exposure monitoring in the Art Department. A Spill Prevention Control & Countermeasure Plan and a Laboratory.

Rick has performed exposure studies for a wide variety of agents, from carcinogens and heavy metals to simple irritants and asphyxiates. He is routinely called upon to complete indoor air quality studies, including the assessment of 'Toxic Mold' contamination and potential for occupant exposure. In some studies, computerized data acquisition is used, allowing for complex data Chemical Hygiene Plan were developed to assist with compliance measures.

Elmira Psychiatric Center | NYSOGS Elmira, NY

Project Manager for the comprehensive assessment of radon across the entire facility. Results were reported and at-risk spaces were identified. After consideration of site characteristics, space usage, and existing ventilation performance, a design for a comprehensive ventilation upgrade was provided.

UCB Manufacturing

Project Manager for the assessment of occupational exposures to methylene chloride and dust during the production of two pharmaceutical products. Several different production phases were monitored for both products. Both 8-hr Time Weighted Averages and Short Term Exposure Limit concentrations were determined for each phase. Ventilation evaluations and recommendations were provided to improve contaminant capture and reduce exposures.

Pfaulder, US, Inc.

A number of air monitoring studies have been completed to determine exposure concentrations to metals, silica and solvent vapors across a variety of production operations. The work has been completed as a component of the company's Safety Management Program.

LaBella updated Pfaudler's Confined Space Program by reevaluating the plant for confined space hazards, preparing a new program manual and written entry procedures. The plant was also evaluated for Lock-Out/Tag Out hazards. All powered equipment was assessed and a new Lock-Out/ Tag-Out Program was prepared, including written Lock-Out/Tag Out procedures. LaBella has provided employee training in these programs and Hazcom on a regular basis.

NYSDOT | Fredonia Maintenance Residency Fredonia, NY

Volatile Organic Compounds were scanned using SUMA canisters and Method TO-15 to achieve very low detection levels in response to employee concerns over sub-slab gasoline and fuel oil contamination. Sample data was compiled and presented in an industrial hygiene format for presentation to employees. Vapor concentrations were concluded to be low enough to not present the potential for adverse health effects.

Nexpress/Kodak

Project Manager for the assessment of occupational exposures to solvents and noise during the development of coating equipment and processes. Ventilation evaluations and design services were provided to improve performance. Respiratory protection program training and fit testing were provided to new users.

City of Rochester Indoor Air Quality Studies | City of Rochester Rochester, NY

Project Manager for Indoor Air Quality studies, including toxic mold investigations, which been performed at a number of city facilities. Studies have been triggered by employee complaints of upper respiratory irritation, dry scratchy eyes, illness, odors and stale air. Testing was completed for specific contaminants based on conditions identified during the initial walk-through evaluation. Ventilation system design and function are also evaluated. All work was carried out in close association with the Environmental Services Department, including the development of corrective actions.

Childtime | Various Sites Upstate, NY

LaBella completed visual inspections and assessments for mold contamination at 10 sites across Upstate New York. Contaminated areas were delineated, limited sampling was completed, remediation recommendations were provided and a remediation specification was prepared. During and post remediation inspections were performed with clearance testing done as needed.

RIT | Indoor Air Quality Study Rochester, NY

Industrial Hygienist and investigator for several Indoor Air Quality and mold studies performed at a number of campus buildings. Studies have been triggered by employee,

faculty and student complaints of upper respiratory irritation, dry scratchy eyes, illness, odors and stale air. Investigations include observation, interviews and testing. Testing assesses ventilation effectiveness, contaminant concentrations, and mold types and concentrations. Recommendations are provided for improved air quality and mold remediation.

UCB Manufacturing | Occupational Exposure Monitoring of Methylene Chloride and Dust Rochester, NY

Project Manager for the assessment of occupational exposures to methylene chloride and dust during the production of two pharmaceutical products. Several different production phases were monitored for both products. Both 8-hr Time Weighted Averages and Short Term Exposure Limit concentrations were determined for each phase. Ventilation evaluations and recommendations were provided to improve contaminant capture and reduce exposures.

Optimation Technology | Hexavalent Chromium Concentrations during Welding Rochester, NY

Project Manager retained in response to new OSHA regulations, personal exposure monitoring was completed during a variety of stainless steel welding tasks to determine exposure concentrations of hexavalent chromium. Standard welding operations were evaluated with excellent ventilation controls in the work areas. Exposure concentrations did not exceed OSHA limits.

Wegmans Food Markets, Inc. | Project Manager, Employee Exposure Assessment Rochester, NY

LaBella measured the concentrations of several different solvents and dark room chemicals to assess employee exposures during various printing operations. The exhaust ventilation system was evaluated for effectiveness. Recommendations were provided on chemical handling and modifications to the exhaust system.

Indoor Air Quality

LaBella has completed numerous indoor air quality studies in a variety of environments in response to employee complaints such as, upper respiratory tract irritation, odors, headaches and a high rate of illness. Building design, ventilation, equipment, and operations are evaluated for factors which could contribute to poor indoor air quality. Testing has included agents such as carbon dioxide, volatile organic compounds, solvents, dust, noise and bioaerosols. Recommendations for remediation and ventilation improvements are provided.

Employee Exposure

Personal and area samples were taken to measure employee exposures to ammonia and dust at a large egg farm. Full shift dosimetry was performed with data logging. Time history graphs were used to identify specific high exposure tasks.

Indoor Air Quality

Warehouse guards had expressed concern about exposure to engine exhaust and particulate. Personal sampling was conducted to determine employee exposure concentrations to respirable dust, carbon monoxide, and nitrogen dioxide. Recommendations were made for modifications to the guard house ventilation system to help reduce particulate and exhaust gas infiltration.

Warren County Public Safety Facility

A community noise study was completed to address neighbor complaints about noise from a recently installed roof top chiller. Measurements were taken at several locations revealing that noise from the chiller was only slightly higher than ambient noise levels.

Affinity Realty Partners, LLC

Radon monitoring was performed to satisfy lender requirements at this and many other apartment complexes. Testing needs are assessed and monitoring is completed quickly and efficiently.

American Motive Power

Project manger for on-site provision of environmental, health & safety services. Plant operations were reviewed and investigated; Hazcom, Lockout/ Tagout, Respiratory Protection, waste management and air permit programs were developed. Employee training was provided as required. Employees were monitored to determine exposure concentrations to noise and solvents.

Nestle Purina

Completed employee exposure monitoring for two corrosive irritants used during routine cleaning of processing equipment. The client needed

immediate support to respond to employee concerns about the process. Samples were taken for several employee tasks during the B shift within one week of the request to complete the work, the final report was provided two weeks later.

SUNY Fredonia

The Fenner House Admissions Office was assessed for mold contamination in response to occupant concerns. Inspection and sampling determined that occupied areas were in good condition, but that the basement needed some corrective actions. The inspection revealed several areas and aspects of water infiltration, leading to recommendations for better drainage and other methods to prevent the reoccurrence of mold growth.

APD Engineering

Community noise studies have been completed in several upstate locations in support of the placement and development of large retail establishments. Follow up noise studies have been completed to support retail store response to neighbor noise complaints.

Residential

Rick has conducted many industrial hygiene studies and exposure evaluations on operations where lead exposure was a concern, and appreciates how easily serious lead exposures can occur. Rick manages the staff responsible for inspections and risk assessments required for compliance with EPA and HUD lead paint guidelines for housing inspections and abatement clearance.

Industrial

Rick has conducted many industrial hygiene studies and exposure evaluations on operations where lead exposure was a concern. The types of operations studied include production, maintenance and demolition. Specific operations include: part finishing, hand and wave soldering for circuit board manufacturing, lead chromate painting operations, incinerator maintenance and ash handling operations, lead smelting, and demolition of lead paint coated steel structures. Rick has experience with the HUD lead paint guidelines for home inspections and abatement clearance.

City of Rochester | Lead Paint Program Rochester, NY

Rick has managed LaBella Associates participation in the City Lead Paint Program as a provider of 3rd party Clearance testing following hazard reduction activities. Nearly 100 Clearance Certifications have been completed within the last 6 years.

School Campus Conversion to Housing | Providence Housing Rochester, NY

This large project involves the conversion of a former Parrish and private school campus to program housing. Rick managed the provision of lead and asbestos inspection and abatement design services.

Lead testing was completed in 5 different campus buildings that were converted to housing. The project also included limited risk assessments, interim lead clearance and final clearance testing in each completed housing unit.

DASNY | SUNY Oswego, Onondaga Hall | ACM and Lead Inspection and Testing Oswego, NY

Rick was the manager of the asbestos and lead inspection and testing efforts required for this project. The planned work presented the potential for impact of asbestos-containing materials (ACM) and lead-based paint. Rick conducted the lead inspection and assisted with the asbestos inspection of bathrooms in this high rise dormitory. A major renovation project for the upgrade of bathrooms and restrooms in the dorm required new fixtures, finishes and plumbing. Abatement specifications and drawings are being prepared for the abatement of confirmed ACM; all paint coatings were found to be lead-free.

Asbestos Abatement and Inspection | Gates Chili Central School District Gates, NY

Project Manager for asbestos and lead paint inspection, and abatement design related to improvements and modifications to 10 buildings. The projects required coordination between the project team, school staff, and several architectural firms. Lead considerations included inspection, testing, abatement design, interim and final clearance tests.

Astra Zeneca

Rick and his staff had full responsibility for ongoing health, safety and environmental compliance at a pharmaceutical research operation for over 4 years, until site relocation out of state. The project was

initiated with a comprehensive audit of operations, followed by correction of deficiencies and management of ongoing compliance with all applicable OSHA, EPA, DEC and NRC requirements. Responsibilities included safety audits, training and management; pest inspections and management; and Hazwaste management. Hazwaste management included waste characterization, container labeling, lab pack preparation, scheduling removal, review of manifests and annual reporting.

Hazardous Waste Management

Rick has completed audits and provided consulting assistance to a variety of industries on practices and issues relating to hazardous waste disposal and management. Industry experience includes polymer processing, spray painting, silk screening, plating and varied solvent use.

Air Emission Compliance

Rick is a certified third party compliance inspector for the NYS DEC in the dry cleaner perchloroethylene inspection program. The certified inspector acts as an agent of the DEC in performing annual Part 232 compliance inspections. Rick has performed many Part 201, 228 and Title V compliance determinations for a variety of industries. He has also reviewed and prepared Risk Management Plans for the accidental release of toxic materials.

OSHA Safety Compliance

Rick routinely provides OSHA compliance audits and performance reviews. He prepares compliance programs and consults with industries on their implementation. Rick also provides employee training for most OSHA safety programs. Example safety programs include Confined Space, Lock Out/Tag Out, Hazcom, Lead, Asbestos, Emergency Evacuation, Laboratory Safety and many more.

Attic Cleanup, South Buffalo Charter School Buffalo, NY

Rick served as Project Manager for an indoor air quality study and the cleanup of a bird contaminated attic space in the main school building. Cleanup methods were proposed and reviewed. Air sampling before, during and after cleanup documented successful cleanup and control methods.

Port of Rochester Redevelopment Rochester, NY

Project Manager of asbestos and environmental management services associated with the design and construction of a new ferry and customs terminal at the Port of Rochester. A large building slated for renovation was contaminated with bird carcass and several inches of bird feces. Rick managed the asbestos inspection and the abatement design for the proper removal of both the asbestos and bird residues.

Pole Barn Cleanup, Greece Central School District Rochester, NY

Rick reviewed conditions associated with the reconstruction of a transportation pole barn that had bird feces in the attic spaces. A specification was developed to inform the contractor of the hazard and to specify control conditions intended to protect adjacent school property from emissions and impact from the cleanup work.

SHANNON DALTON

Environmnetal Analyst

Shannon is an Environmental Analyst in LaBella's Environmental group. Shannon's experience includes Phase I and Phase II Environmental Site Assessments (ESAs). Shannon's field work experience includes soil and groundwater sampling , soil characterization, low-flow groundwater sampling with peristaltic pumps, SVI testing, groundwater sampling, and soil screening with a photo-ionization detector. In addition, Shannon generates GIS site investigation maps and groundwater contour maps for Phase II ESA's and Brownfield Cleanup Sites.

EDUCATION

Alfred University: BA, Environmental Studies

CERTIFICATIONS / REGISTRATIONS

OSHA 40 Hour HAZWOPER Training

Landfill Monitoring

Allegany County Landfill: Groundwater Monitoring 2017 to current - Angelica, NY

Responsible for groundwater, storm water, sediment and leachate sampling; laboratory data assessment; and preparation of quarterly and annual water quality monitoring reports.

City of Olean: Ischua Landfill Water Quality Monitoring 2016-current - Olean, NY

Responsible for providing sampling, analysis and reporting services associated with water quality monitoring at the closed landfill.

Phase II Environmental Site Assessments

Shannon has performed numerous Phase II ESAs for a wide variety of commercial properties including current and historical automotive repair, historical dry cleaner facilities and offices.

408 47th Street, Niagara Falls, NY– Bank of Akron

616 West Avenue, Lockport, NY– Best Brothers Development

136 Orchard Park Road., West Seneca New York– Kim and Kevin Jacobi

8503 Main Street, Clarence, NY – Steuben Trust Company

18 & 22 Tonawanda Street, Buffalo, NY—Tonawanda Street Holdings LLC

11075 Walden Avenue, Alden, New York—Barclay Damon

4401 Transit Road, Amherst, NY—Evans Bank

115-121 West Third Street and 200-210 Washington Street, Jamestown, NY—Evans Bank

South Park, Buffalo, NY—Kyle Zick Landscape Architecture, Inc.

202 Rhode Island Street, Buffalo, NY—Sadoff Development LLC

Vapor Intrusion Assessments

211 Hertel Avenue, Buffalo, NY—Hodgson Russ LLP

LaBella
Powered by partnership.

400 North Main Street, Holland, NY—Draper Trucking

518-520 Elmwood Avenue & 288-292 West Utica Street, Buffalo, NY —Sinatra & Company Real Estate

1000-1004 Elmwood Avenue, Buffalo, NY—Sinatra & Company Real Estate

1116-1124 Elmwood Avenue & 577 Forest Avenue, Buffalo, NY—Sinatra & Company Real Estate

1256-1260 Hertel Avenue, Buffalo, NY—Sinatra & Company Real Estate

11075 Walden Avenue, Alden, NY—Barclay Damon

Phase I Environmental Site Assessments

Shannon has experience conducting numerous Environmental Site Assessments. Site assessments include evaluation of environmental liability associated with properties such as warehouses, gas stations, colleges, commercial properties, and residential homes. Shannon has completed environmental assessments for the following groups:

Financial Institutions

Alden State Bank
Bank of Akron
Caliber Commercial Brokerage
ESL Federal Credit Union
First Niagara Bank
Five Star Bank
Lakeshore Savings Bank
Upstate National Bank
Steuben Trust Company
Tompkins Bank of Castile

Development and Construction Companies

Ellicott Development
Ryan Homes
The NRP Group

Non Profit Organizations

The Nature Conservancy
Western New York Land Conservancy

Municipal & Government Clients

Town of Shelby

Internship Experience

Niagara Frontier Transportation Authority (NFTA) - Buffalo, New York

Shannon served as an environmental engineer intern on various projects. Shannon prepared tables and summaries by compiling and analyzing four years of glycol treatment discharge sampling results for the Buffalo Niagara International Airport engineered wetlands. Shannon also assisted with providing spill database status updates and petroleum bulk storage registration applications. Shannon complied data from the NFTA print shop and calculated potential VOC emissions compared to regulatory thresholds.

APPENDIX 3

BCP Contact List Information

Contact List Information

Municipal and County Contacts		
Name	**Department**	**Address**
Mr. Richard Savage, Supervisor	Town of Alden Board	3311 Wende Road, Alden, NY 14004
Ms. Colleen Pautler		
Mr. Dean Adamski		
Ms. Colleen Rogers		
Mr. Michael Dewitt, Chairman	Town of Alden Planning Board	
Mr. Michael Fleming		
Mr. Robert Meyer		
Mr. Matt Malecki		
Mr. Frank Altieri		
Mr. Ronald Gardner		
Mr. F. Duane Conners		
Mr. Mark Poloncarz	Erie County Executive	95 Franklin Street, 16th Floor Buffalo, NY 14202
Mr. Thomas Hersey, Jr	Erie County Department of Environment & Planning, Commissioner	95 Franklin Street, 10th Floor Buffalo, NY 14202

Adjacent Property Owners		
Direction	**Property Address**	**Owner Contact Information**
North	11112 and 11118 Walden Ave.	Helen D. Uebelhoer and Henry E. Klier 4669 Walden Ave., Lancaster, NY 14086
	Walden Ave.	Harmon O. Whipple III
East	11155 Walden Ave.	Griffith Energy Inc. 1870 Winton Road South, Rochester, NY 14618
	2885 Commerce Drive	Huber Holdings, Inc. 2885 Commerce Drive, Alden, NY 14004
South and West	Walden Ave.	Walden Realty LP 11980 Walden Ave., Alden, NY 14004

Site Owner

Walden Realty
11980 Walden Avenue
Alden, New York 14004

Public Water Supply

Erie County Water Authority
295 Main St., Room 350
Buffalo, NY 14203
716-849-8484

Local Media

Alden Advertiser
13200 Broadway Street
Alden, NY 14004
(716) 937-9226

Document Repository

Buffalo and Erie County Public Library-Central Downtown location
Attention: April Tompkins
Re: Repository Documents
1 Lafayette Square
Buffalo, NY 14203
(716) 858-7129

APPENDIX 4

Community Air Monitoring Plan

Site Community Air Monitoring Plan

Location:

11075 Walden Avenue
Alden, New York 14004

Prepared for:

Mr. Jim Doro
Walden Realty Limited Partnership/ Doritex Corp.
11980 Walden Avenue
Alden, New York

LaBella Project No. 2180605

November 2018

Olympic Towers, 300 Pearl Street, Suite 130 | Buffalo, NY 14202 | p 716-551-6281 | f 716-551-6282
www.labellapc.com

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List of Attachments

Attachment 1: NYSDOH Community Air Monitoring Plan
Attachment 2: NYSDEC Fugitive Dust and Particulate Monitoring Plan

1.0 INTRODUCTION

The purpose of this Site Community Air Monitoring Plan (CAMP) is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of remedial work activities at the Site located at 11075 Walden Avenue in the Town of Alden, Erie County, New York. This Site-Specific Air Monitoring Program (SSAMP) is not intended for use in establishing action levels for worker respiratory protection.

This SSAMP requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust), at the downwind perimeter of each designated work area when certain activities are in progress at the Site. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the SSAMP will help to confirm that work activities have not spread contamination off-site through the air.

2.0 RESPONSIBILITIES

This SSAMP is applicable to the remedial activities of contractors, engineers, consultants, facility employees, and their authorized visitors. The Project Manager shall implement the provisions of this SSAMP for the duration of the project. It is the responsibility of all remedial workers to follow the requirements of this SSAMP, and all applicable air safety procedures.

3.0 ACTIVITIES COVERED

The activities covered under this SSAMP include the following:

- Management of environmental investigation and remediation activities
- Environmental monitoring
- Collection of samples
- Management of excavated soil and liquid waste (groundwater)

4.0 WORK AREA ACCESS AND SITE CONTROLS

The contractor(s) will have primary responsibility for work area access and site control.

5.0 VOLATILE ORGANIC COMPOUND MONITORING

Monitoring for VOCs will be implemented in accordance with the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan, which is included in Attachment 1.

6.0 PARTICULATE MONITORING

Monitoring for dust will be implemented in accordance with the NYSDOH Generic Community Air Monitoring Plan (Attachment 1) as well as New York State Department of Environmental Conservation's Fugitive Dust and Particulate Monitoring (Attachment 2).

J:\WALDEN REALTY\2180605 - 11075 WALDEN AVE BCP\REPORTS\RIWP\APPENDIX 4 - CAMP\SITE SPECIFIC CAMP_11075 WALDEN AVE..DOCX

ATTACHMENT 1

NYSDOH Community Air Monitoring Plan

Attachment 1
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

ATTACHMENT 2

NYSDEC Fugitive Dust and Particulate Monitoring Plan

Attachment 2
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

APPENDIX 5

Quality Control Plan

Quality Control (QC) Program

Location:

11075 Walden Avenue
Alden, New York 14004

Prepared For:

Mr. Jim Doro
Walden Realty Limited Partnership/ Doritex Corp.
11980 Walden Avenue
Alden, New York

LaBella Project No. 2180605

November 2018

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1.0 INTRODUCTION

LaBella's Quality Control (QC) Program is an integral part of its approach to environmental investigations. By maintaining a rigorous QC program, our firm is able to provide accurate and reliable data. QC also provides safe working conditions for all on-Site workers.

The QC program contains procedures which allow for the proper collection and evaluation of data and documents that QC procedures have been followed during field investigations. The QC program presents the methodology and measurement procedures used in collecting quality field data. This methodology includes the proper use of equipment, documentation of sample collection, and sample handling procedures.

Procedures used in the firm's QC program are compatible with federal, state, and local regulations, as well as, appropriate professional and technical standards.

This QC program has been organized into the following areas:

- QC Objectives and Checks
- Field Equipment, Handling, and Calibration
- Sampling Techniques
- Sample Handling and Packaging

It should be noted that project-specific work plans (e.g., Remedial Investigation Work Plans) may have project specific details that will differ from the procedures in this QC program. In such cases, the project-specific work plan should be followed (subsequent to regulatory approval).

2.0 QUALITY CONTROL OBJECTIVES

The United States Environmental Protection Agency (USEPA) has identified five general levels of analytical data quality as being potentially applicable to site investigations conducted under comprehensive environmental response compensation and liability act (CERCLA). These levels are summarized below:

- **Level I -** Field screening. This level is characterized by the use of portable instruments, which can provide real-time data to assist in the optimization of sampling point locations and for health and safety support. Data can be generated regarding the presence or absence of certain contaminants (especially volatiles) at sampling locations.
- **Level II -** Field analysis. This level is characterized by the use of portable analytical instruments, which can be used on site or in mobile laboratories stationed near a site (close-support labs). Depending upon the types of contaminants, sample matrix, and personnel skills, qualitative and quantitative data can be obtained.

- **Level III** - Laboratory analysis using methods other than the Contract Laboratory Program (CLP) Routine Analytical Services (RAS). This level is used primarily in support of engineering studies using standard USEPA-approved procedures. Some procedures may be equivalent to CLP RAS, without the CLP requirements for documentation.
- **Level IV** - CLP Routine Analytical Services. This level is characterized by rigorous QC protocols and documentation and provides qualitative and quantitative analytical data. Some regions have obtained similar support via their own regional laboratories, university laboratories, or other commercial laboratories.
- **Level V** - Non-standard methods. Analyses, which may require method modification and/or development. CLP Special Analytical Services (SAS) are considered Level V.

Unless stated otherwise, all data will be generated in accordance with Level IV. When CLP methodology is not available, federal and state approved methods will be utilized. Level III will be utilized, as necessary, for non-CLP RAS work which may include ignitability, corrosivity, reactivity, EP toxicity, and other state approved parameters for characterization. Level I will be used throughout the RI for health and safety monitoring activities.

All measurements will be made to provide that analytical results are representative of the media and conditions measured. Unless otherwise specified, all data will be calculated and reported in units consistent with other organizations reporting similar data to allow comparability of data bases among organizations. Data will be reported in nanograms per liter (ng/L), micrograms (µg)/L and milligrams (mg)/L for aqueous samples, and µg/ kilogram (kg) and mg/kg (dry weight) for soils, or otherwise as applicable.

The characteristics of major importance for the assessment of generated data are accuracy, precision, completeness, representativeness, and comparability. Application of these characteristics to specific projects is addressed later in this document. The characteristics are defined below.

2.1 Accuracy

Accuracy is the degree of agreement of a measurement or average of measurements with an accepted reference or "true" value and is a measure of bias in the system.

2.2 Precision

Precision is the degree of mutual agreement among individual measurements of a given parameter.

2.3 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount expected to be obtained under correct normal conditions.

2.4 *Representativeness*

Representativeness expresses the degree to which data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition

Careful choice and use of appropriate methods in the field will ensure that samples are representative. This is relatively easy with water or air samples since these components are homogeneously dispersed. In soil and sediment, contaminants are unlikely to be evenly distributed, and thus it is important for the sampler and analyst to exercise good judgment when removing a sample.

2.5 *Comparability*

Comparability expresses the confidence with which one data set can be compared to another. The data sets may be inter- or intra- laboratory.

3.0 MEASUREMENT OF DATA QUALITY

3.1 *Accuracy*

Accuracy of a particular analysis is measured by assessing its performance with "known" samples. These "knowns" take the form of USEPA standard reference materials, or laboratory prepared solutions of target analytes spiked into a pure water or sample matrix. In the case of gas chromatography (GC) or GC/MS (mass spectrometry) analyses, solutions of surrogate compounds are used. These solutions can be spiked into every sample and are designed to mimic the behavior of target analytes without interfering with their determination.

In each case the recovery of the analyte is measured as a percentage, correcting for analytes known to be present in the original sample if necessary, as in the case of a matrix spike analysis. For USEPA supplied known solutions, this recovery is compared to the published data that accompany the solution.

For the firm's prepared solutions, the recovery is compared to USEPA-developed data or the firm's historical data as available. For surrogate compounds, recoveries are compared to USEPA CLP acceptable recovery tables.

If recoveries do not meet required criteria, then the analytical data for the batch (or, in the case of surrogate compounds, for the individual sample) are considered potentially inaccurate. The analyst or his supervisor must initiate an investigation of the cause of the problem and take corrective action. This can include recalibration of the instrument, reanalysis of the QC sample, reanalysis of the samples in the batch, or flagging the data as suspect if the problems cannot be resolved. For highly contaminated samples, recovery of the matrix spike may depend on sample homogeneity. As a rule, analyses are not corrected for recovery of matrix spike or surrogate compounds.

3.2 Precision

Precision of a particular analysis is measured by assessing its performance with duplicate or replicate samples. Duplicate samples are pairs of samples taken in the field and transported to the laboratory as distinct samples. Their identity as duplicates is typically not known to the laboratory. For most purposes, precision is determined by the analysis of replicate pairs (i.e., two samples prepared at the laboratory from one original sample). Often in replicate analysis the sample chosen for replication does not contain target analytes so that quantitation of precision is impossible. For USEPA CLP analyses, replicate pairs of spiked samples, known as matrix spike/matrix spike duplicate samples, are used for precision studies. This has the advantage that two real positive values for a target analyte can be compared.

Precision is calculated in terms of Relative Percent Difference (RPD).

- Where X_1 and X_2 represent the individual values found for the target analyte in the two replicate analyses or in the matrix spike/matrix spike duplicate analyses.
- RPDs must be compared to the method RPD for the analysis. The analyst or his supervisor must investigate the cause of RPDs outside stated acceptance limits. This may include a visual inspection of the sample for non-homogeneity, analysis of check samples, etc. Follow-up action may include sample reanalysis or flagging of the data as suspect if problems cannot be resolved.
- During the data review and validation process, field duplicate RPDs are assessed as a measure of the total variability of both field sampling and laboratory analysis.

3.3 Completeness

Completeness for each parameter is calculated as follows:

- The firm's target value for completeness for all parameters is 100%. A completeness value of 95% will be considered acceptable. Incomplete results will be reported to the site managers. In planning the field sample collection, the site manager will plan to collect field duplicates from identified critical areas. This procedure should assure 100% completeness for these areas.

3.4 Representativeness

The characteristic of representativeness is not quantifiable. Subjective factors to be taken into account are as follows:

- The degree of homogeneity of a site;
- The degree of homogeneity of a sample taken from one point in a site; and
- The available information on which a sampling plan is based.

To maximize representativeness of results, sampling techniques and sample locations will be carefully chosen so that they provide laboratory samples representative of the site and the specific area. Within the laboratory, precautions are taken to extract from the sample bottle an aliquot representative of the whole sample. This includes premixing the sample and discarding pebbles from soil samples.

4.0 QUALITY CONTROL TARGETS

Target values for detection limit, percent spike recovery and percent "true" value of known check standards, and RPD of duplicates/replicates are included in the QCP, Analytical Procedures. Note that tabulated values are not always attainable. Instances may arise where high sample concentrations, non-homogeneity of samples, or matrix interferences preclude achievement of target detection limits or other quality control criteria. In such instances, the firm will report reasons for deviations from these detection limits or noncompliance with quality control criteria.

5.0 SAMPLING PROCEDURES

This section describes the sampling procedures to be utilized for each environmental medium that will be collected and analyzed in accordance with appropriate state and federal requirements. All procedures described are consistent with USEPA sampling procedures as described in SW-846, third edition, September 1986, and subsequent updates. All samples will be delivered to the laboratory and analyzed within the holding times specified by the analytical method.

6.0 SOIL & GROUNDWATER INVESTIGATION

The groundwater sampling plan outlined in this subsection has been prepared in general accordance with Resource Conservation and Recovery Act (RCRA) Groundwater Monitoring Technical Enforcement Guidance Document 9950.1 (September 1986), Office of Solid Waste and Emergency Response.

Prior to drilling, all drill sites will be cleared with appropriate utility companies to avoid potential accidents relating to underground utilities.

6.1 Soil Vapor Probes, Soil Borings, and Well Installation

6.1.1 Investigation Equipment

Manual Surface Soil Collection

Collection of surface soil samples will be completed manually with a hand auger. The hand auger will be decontaminated prior to commencement of surface soil sampling and also between samples using an alconox and water solution. Upon collection of surface soil samples, any excess, removed materials will be returned to the area from which they originated.

Direct Push Geoprobe Soil Vapor Probes, Soil Borings and Monitoring Wells:

Soil vapor probes, soil borings and monitoring wells may be advanced with a Geoprobe direct push sampling system. The use of direct push technology allows for rapid sampling, observation, and characterization of relatively shallow overburden soils. The Geoprobe utilizes a four-foot or five-foot Macrocore sampler, with disposable polyethylene sleeves. Soil cores will be retrieved in four-foot or five-foot sections, and can be easily cut from polyethylene sleeves for observation and sampling. The Macrocore sampler will be decontaminated prior to commencing with boring activities and between samples and borings using an alconox and water solution. Upon completion of soil boring activities, the removed materials will be returned to the bore holes from which they originated. Excess soil cuttings generated during installation of the wells as well as development water generated during purging activities will be placed in separate 55-gallon drums and transported off-site for proper disposal.

6.1.2 Investigation Techniques

Direct Push Advanced Borings:

Prior to initiating drilling activities, the Geoprobe, Macrocore, drive rods and/or other pertinent equipment will be steam cleaned or washed with an alconox and water solution. This cleaning procedure will also be used between each boring. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used. All sampling equipment will be steam cleaned or washed with an alconox and water solution upon completion of the investigation and prior to leaving the site.

Soil borings will be advanced with a 2-inch (or larger) inside diameter (ID) direct push Macrocore through overburden soils. Drilling fluids, other than water from a NYSDEC-approved source, will be not allowed without special consideration and agreement of the NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

It will be the responsibility of the consultant to arrange for the appropriate drilling equipment to be present at the site. Standby time to arrange for additional equipment or a water supply will not be allowed unless caused by unexpected site conditions.

During the drilling, a photoionization detector (PID) will be used to screen soils cores retrieved from the Macrocores.

Direct Push Geoprobe advanced groundwater-monitoring wells typically utilize 2-inch threaded flush joint PVC pipe with 0.010-inch slotted screen. However, well construction will vary by project and will be specified in the project-specific work plan. PVC piping used for risers and screens will conform to the requirements of American Society for Testing and Materials (ASTM)-D 1785 Schedule 40 pipe, and shall bear markings that will identify the material as which is specified. All materials used to

construct the wells will be ASTM approved. Solvent PVC glue shall not be used at any time in the construction of the wells. The bottom of the screen shall be sealed with a treated cap or plus. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well. All risers and screens shall be set round, plumb and true to line.

6.1.3 Artificial Sand Pack

When utilized, granular backfill will be chemically and texturally clean, inert, siliceous, and of appropriate grain size for the screen slot size and the host environment. The sand pack will be installed using a tremie pipe, when possible (i.e., a tremie pipe may not fit into smaller, 2-in. diameter boreholes). When utilized, the well screen and casing will be installed, and the sand pack placed around the screen and casing to a depth extending 2-ft. or at least 25 percent of the screen length above the top of the screen.

6.1.4 Bentonite Seal

A minimum 2-ft. thick seal of tamped bentonite pellets will be placed directly on top of the sand pack, and care will be taken to avoid bridging. In the event that Site geology does not allow for a 2-ft. seal (e.g., only 1-ft. of space remains between the top of the sand pack and ground surface), the remaining space in the annulus will be filled with bentonite. The seal will be measured immediately after placement, without allowance for swelling.

6.1.5 Grout Mixture

Upon completion of the bentonite seal, the well may be grouted with a non-shrinking cement grout (e.g., Volclay^{R}) mix to be placed from the top of the bentonite seal to the ground surface. The cement grout shall consist of a mixture of Portland cement (ASTM C 150) and water, in the proportion of not more than 7 gallons of clean water per bag of cement (1 cubic foot or 94 pounds). Additionally, 3% by weight of bentonite powder shall be added, if permitted.

6.1.6 Surface Protection

At all times during the progress of the work, precautions shall be used to prevent tampering with or the entrance of foreign material into the well. Upon completion of the well, a suitable lockable cap shall be installed to prevent material from entering the well. Where permanent wells are to be installed, the well riser shall be protected by a flush mounted road box set into a concrete pad. A concrete pad, sloped away from the well, shall be constructed around the flush mount road box at ground level.

Any well that is to be temporarily removed from service or left incomplete due to delay in construction shall be capped with a watertight cap and equipped with a "vandal-proof" cover, satisfying applicable NYSDEC regulations or recommendations.

6.1.7 Surveying

Coordinates and elevations will be established for each monitoring well and sampling location. Elevations to the closest 0.01 foot shall be used for the survey. These elevations shall be referenced to a regional, local, or project-specific datum. USGS benchmarks will be used whenever available. The location, identification, coordinates, and elevations of the wells will be plotted on maps with a scale large enough to show their location with reference to other structures at each site.

6.1.8 Well Development

After completion of the well, but not sooner than 24 hours after grouting is completed, development will be accomplished using pumping, bailing, or surge blocking. No dispersing agents, acids, disinfectants, or other additives will be used during development or introduced into the well at any other time. During development, water will be removed throughout the entire water column by periodically lowering and raising the pump intake (or bailer stopping point). Development water will be placed in 55-gallon drums and transported off-site for proper disposal. No water will be allowed to flow off-site.

7.0 GEOLOGIC LOGGING AND SAMPLING

At each investigative location, borings will be advanced through overburden using either a drill rig and hollow-stem auger or direct push technology. Soils will be evaluated for visual and olfactory evidence of impairment (i.e., staining, odors, and elevated PID readings) by a geologist, engineer or qualified Environmental Professional. Sampling devices will be decontaminated according to procedures outlined in the Decontamination section of this document. When required, samples will be stored in glass jars until they are needed for testing or the project is complete.

If hydrogeologic conditions are favorable for well installation at a depth less than design, the well may be installed at the boring or coring termination depth. In the event that maximum design depth is reached and hydrogeologic conditions are not suitable for well installation, the maximum drilling depth may be revised. Hydrogeologic suitability for well placement will be determined by the supervising geologist, engineer or qualified Environmental Professional in consultation with NYSDEC, based on thickness and estimated hydraulic conductivity of the saturated zone encountered. If necessary, the borehole will be advanced to water or abandoned.

Boulders and bedrock encountered during well installation may be cored by standard diamond-core drilling methods using an "NX" size core barrel. All rock cores recovered will be logged by a geologist, labeled and stored in wooden core boxes. The cores will be stored by the firm until the project is completed or for at least one year. Drilling logs will be prepared by an experienced geologist or engineer, who will be present during all drilling operations. One copy of each field boring and well construction log and groundwater data, will typically be submitted as part of the investigation summary report (e.g., Remedial Investigation Report). The value shall be calculated for each 5-foot section. Information provided in the logs shall include, but not be limited to, the following:

- Date, test hole identification, and project identification;
- Name of individual developing the log;
- Name of driller and assistant(s);
- Drill, make and model, auger size;
- Identification of alternative drilling methods used and justification thereof (e.g., rotary drilling with a specific bit type to remove material from within the hollow stem augers);
- Standard penetration test (ASTM D-1586) blow counts;
- Field diagram of each monitoring well installed with the depth to bottom of screen, top of screen, and pack, bentonite seal, etc.;
- Reference elevation for all depth measurements;
- Depth of each change of stratum;
- Thickness of each stratum;
- Identification of the material of which each stratum is composed, according to the USCS system or standard rock nomenclature, as appropriate;
- Depth interval from which each sample was taken;
- Depth at which hole diameters (bit sizes) change;
- Depth at which groundwater is encountered;
- Depth to static water level and changes in static water level with well depth;
- Total depth of completed well;
- Depth or location of any loss of tools or equipment;
- Location of any fractures, joints, faults, cavities, or weathered zones;
- Depth of any grouting or sealing;
- Nominal hole diameters;
- Amount of cement used for grouting or sealing;
- Depth and type of well casing;
- Description of well screen (to include depth, length, location, diameter, slot sizes, material, and manufacturer);
- Any sealing-off of water-bearing strata;
- Static water level upon completion of the well and after development;
- Drilling date or dates;
- Construction details of well; and
- An explanation of any variations from the work plan.

8.0 GROUNDWATER SAMPLING PROCEDURES

The groundwater in all new monitoring wells will be allowed to stabilize for at least 24-hours following development. Water levels will be measured to within 0.01 feet prior to purging and sampling. Sampling of each well will typically be accomplished active sampling.

Active Sampling:

Purging will be completed prior to active sampling. During purging, the following will be recorded in field books or groundwater sampling logs:

- date
- purge start time
- weather conditions
- PID reading immediately after the well cap is removed
- presence of Non-Aqueous Phase Liquid, if any, and approximate thickness
- pH
- dissolved oxygen
- temperature
- specific conductance
- depth of well
- depth to water
- estimated water volume
- purge end time
- volume of water purged

In general, wells will be purged until the pH, conductivity, temperature, and turbidity of the water being pumped from the well have stabilized with a turbidity goal of 50 NTU. All wells will be purged of at least three well volumes or to dryness.

All groundwater samples and their accompanying QC samples will analyzed using NYSDEC Analytical Services Protocol (ASP; revised July 2005 and subsequent amendments or revisions).

9.0 MANAGEMENT OF INVESTIGATIVE-DERIVED WASTE

Investigation-derived waste (IDW) may include the following:

- Drill cuttings, discarded soil samples, drilling mud solids, and used sample containers;
- Well development and purge waters and discarded groundwater samples;
- Decontamination waters and associated solids;
- Soiled disposable personal protective equipment (PPE);
- Used disposable sampling equipment;
- Used plastic sheeting and aluminum foil;
- Other equipment or materials that either contain or have been in contact with potentially-impacted environmental media.

Waste materials anticipated to be generated during the implementation of this RIWP include soil from soil borings, excess soil cuttings during installation of the wells, development water during purging of the wells and decontamination water generated from decontaminating field equipment. Upon completion of soil boring activities, the removed materials will be returned to the bore holes from which they originated. Excess soil cuttings generated during installation of the wells, development water generated during purging activities and decontamination water generated from decontaminating field equipment will be placed in separate 55-gallon drums and transported off-site

for proper disposal. Personal protective equipment, disposable bailers, and similar equipment may be disposed as municipal waste. Procedures will be implemented to prevent soils and water generated during investigation activities from leaving the Site.

10.0 DECONTAMINATION

Sampling methods and equipment have been chosen to minimize decontamination requirements and to prevent the possibility of cross-contamination. Decontamination of equipment will be performed between discrete sampling locations. Equipment used to collect samples between composite sample locations will not require decontamination between collection of samples. All investigation equipment will be decontaminated after the completion of each location. Special attention will be given to the drilling assembly and augers.

Non-disposable equipment will be decontaminated between each sampling event. The sampler will be cleaned prior to each use, by one of the following procedures:

- Initially cleaned of all foreign matter;
- Sanitized with a steam cleaner;

  OR
- Initially cleaned of all foreign matter;
- Scrubbed with brushes in alconox solution;
- Rinsed; and
- Allowed to air dry.

Sampling equipment / bottleware constructed of aluminum foil, low density polyethylene (LDPE), glass or Teflon will *not* be used and the sampling containers will not come into contact with these materials during groundwater sampling associated with PFAS.

All groundwater sampling will be completed in a manner to minimize potential cross-contamination of the samples by completing all work as identified below. Because PFAS are found in numerous everyday items, the following special precautions will be taken during all sampling activities:

- Acceptable materials for sampling include stainless steel, high density polyethylene (HDPE), PVC, silicone, acetate and polypropylene
- No use of Teflon®-containing materials (e.g., Teflon® tubing, bailers, tape, sample jar lid liners, plumbing paste)
- No Tyvek® clothing will be worn onsite
- Clothing that contains polytetrafluorethylene (PTFE, GORE-TEX®, etc.) or that have been waterproofed with PFC materials will not be worn on-site.
- All clothing worn by sampling personnel must have been laundered multiple times. Clothing must not be laundered with fabric softener.

- No Post-It® notes will be brought onsite
- No fast food wrappers, disposable cups or microwave popcorn will be brought on-site.
- No use of chemical (blue) ice packs will be allowed.
- No use of aluminum foil, low density polyethylene (LDPE), glass or PTFE materials will be allowed.
- No use of Sharpies®, rather ball point pens will be utilized.
- No use of sunscreen, insect repellants, cosmetic, lotions or moisturizers will be allowed by sampling personnel the day of sampling.
- If any of the above items are handled by the field personnel prior to sampling activities, field personnel will wash their hands thoroughly with soap and water prior to any sampling activities.
- Powder-free nitrile gloves will be worn during all sample collection activities.

11.0 SAMPLE CONTAINERS

The containers required for sampling activities are pre-washed and ordered directly from a laboratory, which has the containers prepared in accordance with USEPA bottle washing procedures. The following tables detail sample volumes, containers, preservation and holding time for typical analytes.

Table 11-1
Water Samples

Type of Analysis	Type and Size of Container	Number of Containers and Sample Volume (per sample)	Preservation	Maximum Holding Time
Volatile organic compounds (VOCs)	40-milliliter (ml) glass vial with Teflon-backed septum	Two; fill completely, no air space	Cool to 4 degrees (°) Celsius (C) (ice in cooler), Hydrochloric acid to pH <2	7 days
Semi-volatile organic compounds (SVOCs)	1,000-ml amber glass jar	One; fill completely	Cool to 4° C (ice in cooler)	7/40 days
Target Analyte List (TAL) Metals	500-ml polyethylene	One; fill completely	Cool to 4° C (Nitric acid to pH <2	6 months
Pesticides	1,000-ml amber glass jar	One; fill completely	Cool to 4° C (ice in cooler)	7/40 days
Herbicides	1,000-ml amber glass jar	One; fill completely	Cool to 4° C (ice in cooler)	7/40 days
Polychlorinated biphenyls (PCBS)	1,000-ml glass jar	One; fill completely	Cool to 4° C (ice in cooler)	7/40 days

Type of Analysis	Type and Size of Container	Number of Containers and Sample Volume (per sample)	Preservation	Maximum Holding Time
Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS)	250-ml high density polyethylene (HDPE) container with Teflon-free lined caps	Three; fill completely	Cool to 4° C (ice in cooler), preserved with Trizma	14 days
1, 4 dioxane	500-ml amber bottles	Two; fill completely	Cool to 4° C (ice in cooler)	7/40 days

-Holding time is based on verified time of sample collection.

TABLE 11-2
Soil Samples

Type of Analysis	Type and Size of Container	Number of Containers and Sample Volume (per sample)	Preservation	Maximum Holding Time
VOCs	40-ml glass vial with Teflon-backed septum	Three, fill with five grams of soil using soil syringe	Cool to 4° C (ice in cooler). Two with 10 ml deionized (DI) water or 5 ml sodium bisulfate, one with five ml methanol	14 days
SVOCs, PCBs, Pesticides, and Herbicides	8- ounce (oz.), glass jar with Teflon-lined cap	One, fill as completely as possible	Cool to 4° C (ice in cooler)	7 days
TAL Metals	8-oz. glass jar with Teflon-lined cap	One; fill completely	Cool to 4° C (ice in cooler)	Must be extracted within 10 days; analyzed with 30 days

-Holding time is based on the times from verified time of sample collection.

TABLE 11-3
List of Major Instruments for Sampling and Analysis

- MiniRae 3000 PID
- YSI Professional Plus Multi-Parameter Instrument – Conductivity, pH, ORP, and Temperature

- LaMotte 2020we Portable Turbidity Meter
- Hewlett Packard (HP) 1000 computer with RTE-6 operating system; and HP 9144 computer with RTE-4 operating system equipped with Aquarius software for control and data acquisition from gas chromatograph/mass spectrometer (GC/MS) systems; combined wiley and National Bureau of Standards (NBS) mass spectral library; and data archiving on magnetic tape
- Viriam 6000 and 37000 gas chromatrographs equipped with flame ionization, electron capture, photoionization and wall detectors as appropriate for various analyses, and interfaced to Variam DS604 or D5634 data systems for processing data.
- Spectra-Physics Model SP 4100 and SP 4270 and Variam 4270 cam puting integrators
- Perkin Eimer (PE) 3000% and 3030% fully Automated Atomic Absorption Spectrophotometers (AAS) with Furnace Atomizer and background correction system
- PE Plasma II Inductively Coupled Argon Plasma (ICAP) Spectre meter with PE7500 laboratory computer
- Dionex 20001 ion chromatograph with conductivity detector for anion analysis, with integrating recorder
- MGD-2002 Helium Gas Leak Detector

12.0 SAMPLE CUSTODY

This section describes standard operating procedures for sample identification and chain-of-custody to be utilized for all field activities. The purpose of these procedures is to ensure that the quality of the samples is maintained during their collection, transportation, and storage through analysis. All chain-of-custody requirements comply with standard operating procedures indicated in USEPA sample handling protocol.

Sample identification documents must be carefully prepared so that sample identification and chain-of-custody can be maintained and sample disposition controlled. Sample identification documents include:

- Field notebooks,
- Sample label,
- Custody seals, and
- Chain-of-custody records.

12.1 Chain-of-Custody

The primary objective of the chain-of-custody procedures is to provide an accurate written or computerized record that can be used to trace the possession and handling of a sample from collection to completion of all required analyses. A sample is in custody if it is:

- In someone's physical possession;
- In someone's view;

- Locked up; or
- Kept in a secured area that is restricted to authorized personnel.

12.2 Field Custody Procedures

- As few persons as possible should handle samples.
- Sample bottles will be obtained pre-cleaned from a source such as I-Chem. Coolers or boxes containing cleaned bottles should be sealed with a custody tape seal during transport to the field or while in storage prior to use.
- The sample collector is personally responsible for the care and custody of samples collected until they are transferred to another person or dispatched properly under chain-of-custody rules.
- The sample collector will record sample data in the notebook.
- The site manager will determine whether proper custody procedures were followed during the fieldwork and decide if additional samples are required.

12.3 Sample Tags

Sample tags attached to or affixed around the sample container must be used to properly identify all samples collected in the field. The sample tags are to be placed on the bottles so as not to obscure any QC lot numbers on the bottles; sample information must be printed in a legible manner using waterproof ink. Field identification must be sufficient to enable cross-reference with the logbook. For chain-of-custody purposes, all QC samples are subject to exactly the same custodial procedures and documentation as "real" samples.

12.4 Transfer of Custody and Shipment

- The coolers in which the samples are packed must be accompanied by a chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them must sign, date, and note the time on the chain-of-custody record. This record documents sample custody transfer
- Shipping containers must be sealed with custody seals for shipment to the laboratory. The method of shipment, name of courier, and other pertinent information are entered in the "Remarks" section of the chain-of-custody record and traffic reports.
- All shipments must be accompanied by the chain-of-custody record identifying their contents. The original record accompanies the shipment. The other copies are distributed appropriately to the site manager.
- If sent by mail, the package is registered with return receipt requested. If sent by common carrier, a bill of lading is used. Freight bills, Postal Service receipts, and bill of lading are retained as part of the permanent documentation.

12.5 Chain-of-Custody Record

The chain-of-custody record must be fully completed in duplicate, using black carbon paper where possible, by the field technician who has been designated by the project manager as responsible for sample shipment to the appropriate laboratory for analysis. In addition, if samples are known to require rapid turnaround in the laboratory because of project time constraints or analytical concerns (e.g., extraction time or sample retention period limitations, etc.), the person completing the chain-of-custody record should note these constraints in the "Remarks" section of the record.

12.6 Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record and traffic reports, if required. Pertinent information as to shipment, pickup, and courier is entered in the "Remarks" section.

12.7 Custody Seals

Custody seals are preprinted adhesive-backed seals with security slots designed to break if the seals are disturbed. Sample shipping containers (coolers, cardboard boxes, etc., as appropriate) are sealed in as many places as necessary to ensure security. Seals must be signed and dated before use. On receipt at the laboratory, the custodian must check (and certify, by completing the package receipt log and LABMIS entries) that seals on boxes and bottles are intact. Strapping tape should be placed over the seals to ensure that seals are not accidentally broken during shipment.

13.0 LABORATORY REQUIREMENTS AND DELIVERABLES

This section will describe laboratory requirement and procedures to be followed for laboratory analysis. Samples collected in New York State will be analyzed by a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. When required, analyses will be conducted in accordance with the most current NYSDEC ASP. For example, ASP Category B reports will be completed by the laboratory for samples representing the final delineation of the Remedial Investigation, confirmation samples, samples to determine closure of a system, and correlation samples taken using field testing technologies analyzed by an ELAP-certified laboratory to determine correlation to field results. Data Usability Summary Reports will be completed by a third party for samples requiring ASP Category B format reports. Electronic data deliverables will also be generated by the laboratory in “EQUIS” format for samples requiring ASP Category B format reports.

14.0 DOCUMENTATION

14.1 Sample Identification

All containers of samples collected from the project will be identified using the following format on a label or tag fixed to the sample container:

XX-ZZ-O/D-DDMMYYYY

XX:	This set of initials indicates the Site from which the sample was collected.
ZZ:	These initials identify the sample location. Actual sample locations will be recorded in the task log.
O/D:	An "O" designates an original sample; "D" identifies it as a duplicate.
DDMMYYYY:	This set of initials indicates the date the sample was collected

Each sample will be labeled, chemically preserved (if required) and sealed immediately after collection. To minimize handling of sample containers, labels will be filled out prior to sample collection when possible. The sample label will be filled out using waterproof ink and will be firmly affixed to the sample containers. The sample label will give the following information:

- Date and time of collection
- Sample identification
- Analysis required
- Project name/number
- Preservation

14.2 Daily Logs

Daily logs and data forms are necessary to provide sufficient data and observations to enable participants to reconstruct events that occurred during the project and to refresh the memory of the field personnel if called upon to give testimony during legal proceedings.

The site log is the responsibility of the site manager and will include a complete summary of the day's activity at the site.

The **Task Log** will include:

- Name of person making entry (signature).
- Names of team members on-site.
- Levels of personnel protection:
  - Level of protection originally used;
  - Changes in protection, if required; and
  - Reasons for changes.
- Documentation on samples taken, including:

  - Sampling location and depth station numbers;
  - Sampling date and time, sampling personnel;
  - Type of sample (grab, composite, etc.); and
  - Sample matrix.
- On-site measurement data.
- Field observations and remarks.
- Weather conditions, wind direction, etc.
- Unusual circumstances or difficulties.
- Initials of person recording the information.

15.0 CORRECTIONS TO DOCUMENTATION

15.1 Notebook

As with any data logbooks, no pages will be removed for any reason. If corrections are necessary, these must be made by drawing a single line through the original entry (so that the original entry can still be read) and writing the corrected entry alongside. The correction must be initialed and dated. Most corrected errors will require a footnote explaining the correction.

15.2 Sampling Forms

As previously stated, all sample identification tags, chain-of-custody records, and other forms must be written in waterproof ink. None of these documents are to be destroyed or thrown away, even if they are illegible or contain inaccuracies that require a replacement document.

If an error is made on a document assigned to one individual, that individual may make corrections simply by crossing a line through the error and entering the corrected information. The incorrect information should not be obliterated. Any subsequent error discovered on a document should be corrected by the person who made the entry. All corrections must be initialed and dated.

15.3 Photographs

Photographs will be taken as directed by the site manager. Documentation of a photograph is crucial to its validity as a representation of an existing situation. The following information will be noted in the task log concerning photographs:

- Date, time, location photograph was taken;
- Photographer
- Description of photograph taken;

16.0 SAMPLE HANDLING, PACKAGING, AND SHIPPING

The transportation and handling of samples must be accomplished in a manner that not only protects the integrity of the sample, but also prevents any detrimental effects due to the possible hazardous nature of samples. Regulations for packaging, marking, labeling, and shipping hazardous materials are promulgated by the United States Department of Transportation (DOT) in the Code of Federal Regulation, 49 CFR 171 through 177. All samples will be delivered to the laboratory and analyzed within the holding times specified by the analytical method for that particular analyte.

All chain-of-custody requirements must comply with standard operating procedures in the USEPA sample handling protocol.

16.1 Sample Packaging

Samples must be packaged carefully to avoid breakage or contamination and must be shipped to the laboratory at proper temperatures. The following sample packaging requirements will be followed:

- Sample bottle lids must never be mixed. All sample lids must stay with the original containers.
- The sample volume level can be marked by placing the top of the label at the appropriate sample height, or with a grease pencil. This procedure will help the laboratory to determine if any leakage occurred during shipment. The label should not cover any bottle preparation QC lot numbers.
- All sample bottles are placed in a plastic bag to minimize the potential for cross-contamination.
- Shipping coolers must be partially filled with packing materials and ice when required, to prevent the bottles from moving during shipment.
- The sample bottles must be placed in the cooler in such a way as to ensure that they do not touch one another. Ice will be added to the cooler to ensure that the samples reach the laboratory at temperatures no greater than 4°C.
- The environmental samples are to be placed in plastic bags. Ice is not to be used as a substitute for packing materials.
- Any remaining space in the cooler should be filled with inert packing material. Under no circumstances should material such as sawdust, sand, etc., be used.
- A duplicate custody record and traffic reports, if required must be placed in a plastic bag and taped to the bottom of the cooler lid. Custody seals are affixed to the sample cooler.

16.2 Shipping Containers

Shipping containers are to be custody-sealed for shipment as appropriate. The container custody seal will consist of filament tape wrapped around the package and custody seals affixed in such a way that access to the container can be gained only by cutting the filament tape and breaking a seal.

Field personnel will make arrangements for transportation of samples to the lab. The lab must be notified as early in the week as possible regarding samples intended for Saturday delivery.

16.3 Marking and Labeling

- Chain of custody seals shall be placed on the container, signed, and dated prior to taping the container to ensure the chain of custody seals will not be destroyed during shipment.
- If samples are designated as medium or high hazard, they must be sealed in metal paint cans, placed in the cooler with vermiculite and labeled and placarded in accordance with DOT regulations.
- In addition, the coolers must also be labeled and placarded in accordance with DOT regulations if shipping medium and high hazard samples.

17.0 CALIBRATION PROCEDURES AND FREQUENCY

All instruments and equipment used during sampling and analysis will be operated, calibrated, and maintained according to the manufacturer's guidelines and recommendations as well as criteria set forth in the applicable analytical methodology references. Operation, calibration, and maintenance will be performed by personnel properly trained in these procedures. Section 11 lists the major instruments to be used for sampling and analysis. In addition, brief descriptions of calibration procedures for major field and laboratory instruments follow.

18.0 FIELD INSTRUMENTATION

18.1 Photovac/MiniRae PID

Standard operating procedures for the PID require that routine maintenance and calibration be performed every six months. The packages used for calibration are non-toxic analyzed gas mixtures available in pressurized containers.

18.3 Conductance, Temperature, and pH Tester

Temperature and conductance instruments are factory calibrated. Temperature accuracy can be checked against a certified thermometer prior to field use if necessary. Conductance accuracy may be checked with a solution of known conductance and recalibration can be instituted, if necessary.

18.4 Turbidity Meter

LaMotte 2020WE Turbidity Meter is calibrated before each use. The default units are set to NTU and the default calibration curve is formazin. A 0 NTU Standard (Code 1480) is included with the meter. To calibrate, rinse a clean tube three times with the blank. Fill the tube to the fill line with the blank. Insert the tube into the chamber, close the lid, and select “scan blank”.

18.5 Helium Detector

Standard operations procedures for the MGD-2002 Helium Gas Leak Detector require that routine maintenance and calibration be performed every year.

19.0 INTERNAL QUALITY CONTROL CHECKS

QC data are necessary to determine precision and accuracy and to demonstrate the absence of interferences and/or contamination of field equipment. Field-based QC will comprise at least 10% of each data set generated and will consist of standards, replicates, spikes, and blanks. Field duplicates and field blanks will be analyzed by the laboratory as samples and will not necessarily be identified to the laboratory as duplicates or blanks. For each matrix, field duplicates will be provided at a rate of one per 20 samples collected or one per shipment, whichever is greater. Field blanks which consist of trip, routine field, and rinsate blanks (groundwater only) will be provided at a rate of one per 20 samples collected for each parameter group, or one per shipment, whichever is greater.

Calculations will be performed for recoveries and standard deviations along with review of retention times, response factors, chromatograms, calibration, tuning, and all other QC information generated. All QC data, including split samples, will be documented in the site logbook. QC records will be retained and results reported with sample data.

19.1 Blank Samples

Blank samples are analyzed in order to assess possible contamination from the field and/or laboratory so that corrective measures may be taken, if necessary. Field samples are discussed in the following subsection:

19.2 Field Blanks

Various types of blanks are used to check the cleanliness of field handling methods. The following types of blanks may be used: the trip blank, the routine field blank, and the field equipment blank. They are analyzed in the laboratory as samples, and their purpose is to assess the sampling and transport procedures as possible sources of sample contamination. Field staff may add blanks if field circumstances are such that they consider normal procedures are not sufficient to prevent or control sample contamination, or at the direction of the project manager. Rigorous documentation of all blanks in the site logbooks is mandatory.

- **Routine Field Blanks** or bottle blanks are blank samples prepared in the field to access ambient field conditions. They will be prepared by filling empty sample containers with deionized water and any necessary preservatives. They will be handled like a sample and shipped to the laboratory for analysis.
- **Trip Blanks** are similar to routine field blanks with the exception that they are **not** exposed to field conditions. Their analytical results give the overall level of contamination from everything except ambient field conditions. For the RI/FS, one trip blank will be collected with every batch of water samples for VOC analysis. Each trip blank will be prepared by filling a 40-ml vial with deionized water prior to the sampling trip, transported to the site, handled like a sample, and returned to the laboratory for analysis without being opened in the field.
- **Field Equipment Blanks** are blank samples (sometimes called transfer blanks or rinsate blanks) designed to demonstrate that sampling equipment has been properly prepared and cleaned before field use, and that cleaning procedures between samples are sufficient to minimize cross contamination. If a sampling team is familiar with a particular site, they may be able to predict which areas or samples are likely to have the highest concentration of contaminants. Unless other constraints apply, these samples should be taken last to avoid excessive contamination of sampling equipment.

19.3 Field Duplicates

Field duplicate samples consist of a set of two samples collected independently at a sampling location during a single sampling event. In some instances the field duplicate can be a blind duplicate, i.e., indistinguishable from other analytical samples so that personnel performing the analyses are not able to determine which samples are field duplicates. Field duplicates are designed to assess the consistency of the overall sampling and analytical system.

19.4 Quality Control Check Samples

Inorganic and organic control check samples are available from USEPA free of charge and are used as a means of evaluating analytical techniques of the analyst. Control check samples are subjected to the entire sample procedure, including extraction, digestion, etc., as appropriate for the analytical method utilized.

Groundwater Sampling for Emerging Contaminants

July 2018

Issue: DER has committed to analyzing representative groundwater samples at remediation sites for emerging contaminants (1,4-dioxane and PFAS) as described in the below guidance.

Implementation

A UIS project specific to this Emerging Contaminant Sampling Initiative, will be automatically added to all sites, except: Class 03 and Class C sites.

Class 02 and 04 State Superfund sites located in Region 1 must be sampled by the end of 2018. This is true even if that will require a separate sampling event. For all other sites (i.e., SSF, BCP, RCRA Corrective Action), PMs should include emerging contaminants in the next scheduled sampling event. Only groundwater sampling is required. The number of samples should be similar to the number of samples where "full TAL/TCL sampling" would typically be required. The date that the sampling event is scheduled to take place should be entered into the UIS as the planned project start date. The actual end date will be the date that the data is entered into EQuIS. If sampling is not feasible (e.g., the site no longer has any monitoring wells in place), the project may be terminated upon approval of the Bureau Director with the basis for termination included in the project status.

Upon a new site being brought into any program (i.e., SSF, BCP), PFAS and 1,4-dioxane will be incorporated into the investigation of groundwater as part of the standard "full TAL/TCL" sampling. A full list of chemicals to be sampled is available here. Until an SCO is established for PFAS, soil samples do not need to be analyzed for PFAS unless groundwater contamination is detected. Separate guidance will be developed for addressing sites where emerging contaminants are found in the groundwater. The analysis currently performed for SVOCs in soil is adequate for evaluation of 1,4-dioxane, which already has an established SCO.

Analysis and Reporting

Labs should provide a full category B deliverable. If the sampling is completed by a consultant, a DUSR should be prepared by an independent 3rd party data validator. If sampling is completed by DEC staff with a lab callout, the data should be reviewed by a DEC chemist, but a full DUSR is not necessarily required, depending on the chemist's opinion of the data quality and the needs of the project. QA/QC samples should be collected as required in DER-10, Section 2.3(c). The electronic data submission should meet the requirements provided at: https://www.dec.ny.gov/chemical/62440.html ,

The work plan should explicitly describe analysis and reporting requirements.

PFAS sample analysis:

Currently, ELAP does not offer certification for PFAS compounds in matrices other than finished drinking water. However, laboratories analyzing environmental samples (ex. soil, sediments, and groundwater) are required, by DER, to hold ELAP certification for PFOA and PFOS in drinking water by EPA Method 537 or ISO 25101.

Modified EPA Method 537 is the preferred method to use for groundwater samples due to the ability to achieve 2 ng/L (ppt) reporting limits. If contract labs or work plans submitted by responsible parties indicate that they are not able to achieve similar reporting limits, the project manager should discuss this with a DER chemist. Note: Reporting limits for PFOA and PFOS should not exceed 2 ng/L.

PFAS sample reporting: DER has developed a PFAS target analyte list (below) with the intent of achieving reporting consistency between labs for commonly reportable analytes. It is expected that reported results for PFAS will include, at a minimum, all the compounds listed. This list may be updated in the future as new information is learned and as labs develop new capabilities. If lab and/or matrix specific issues are encountered for any particular compounds, the NYSDEC project manager will make case-by-case decisions as to whether particular analytes may be temporarily or permanently discontinued from analysis for each site. Any technical lab issues should be brought to the attention of a DER chemist.

Some sampling using this full PFAS target analyte list is needed to understand the nature of contamination. It may also be critical to differentiate PFAS compounds associated with a site from other sources of these chemicals. Like routine refinements to parameter lists based on investigative findings, the full PFAS target analyte list may not be needed for all sampling intended to define the extent of contamination. Project managers may approve a shorter analyte list (e.g., just the UCMR3 list) for some reporting on a case by case basis.

1,4-Dioxane Analysis and Reporting: The method detection limit (MDL) for 1,4-dioxane should be no higher than 0.35 µg/l (ppb). Although ELAP offers certification for both EPA Method 8260 SIM and EPA Method 8270 SIM, DER is advising the use of method 8270 SIM. EPA Method 8270 SIM provides a more robust extraction procedure, uses a larger sample volume, and is less vulnerable to interference from chlorinated solvents.

Full PFAS Target Analyte List

Group	Chemical Name	Abbreviation	CAS Number
Perfluoroalkyl sulfonates	**Perfluorobutanesulfonic acid**	**PFBS**	**375-73-5**
	Perfluorohexanesulfonic acid	**PFHxS**	**355-46-4**
	Perfluoroheptanesulfonic acid	PFHpS	375-92-8
	Perfluorooctanessulfonic acid	**PFOS**	**1763-23-1**
	Perfluorodecanesulfonic acid	PFDS	335-77-3
Perfluoroalkyl carboxylates	Perfluorobutanoic acid	PFBA	375-22-4
	Perfluoropentanoic acid	PFPeA	2706-90-3
	Perfluorohexanoic acid	PFHxA	307-24-4
	Perfluoroheptanoic acid	**PFHpA**	**375-85-9**
	Perfluorooctanoic acid	**PFOA**	**335-67-1**
	Perfluorononanoic acid	**PFNA**	**375-95-1**
	Perfluorodecanoic acid	PFDA	335-76-2
	Perfluoroundecanoic acid	PFUA/PFUdA	2058-94-8
	Perfluorododecanoic acid	PFDoA	307-55-1
	Perfluorotridecanoic acid	PFTriA/PFTrDA	72629-94-8
	Perfluorotetradecanoic acid	PFTA/PFTeDA	376-06-7
Fluorinated Telomer Sulfonates	6:2 Fluorotelomer sulfonate	6:2 FTS	27619-97-2
	8:2 Fluorotelomer sulfonate	8:2 FTS	39108-34-4
Perfluorooctane-sulfonamides	Perfluroroctanesulfonamide	FOSA	754-91-6
Perfluorooctane-sulfonamidoacetic acids	N-methyl perfluorooctanesulfonamidoacetic acid	N-MeFOSAA	2355-31-9
	N-ethyl perfluorooctanesulfonamidoacetic acid	N-EtFOSAA	2991-50-6

Bold entries depict the 6 original UCMR3 chemicals

APPENDIX 6

Health and Safety Plan

Site Health and Safety Plan

Location:

11075 Walden Avenue
Alden, New York 14004

Prepared For:

Mr. Jim Doro
Walden Realty Limited Partnership/ Doritex Corp.
11980 Walden Avenue
Alden, New York

LaBella Project No. 2180605

November 2018

Olympic Towers, 300 Pearl Street, Suite 130 | Buffalo, NY 14202 | p 716-551-6281 | f 716-551-6282
www.labellapc.com

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SITE HEALTH AND SAFETY PLAN

Project Title:	11075 Walden Avenue - Brownfield Cleanup Program
Project Number:	2180605
Project Location (Site):	11075 Walden Avenue, Alden, New York 14004
Environmental Director:	Rob Napieralski
Project Manager:	Adam Zebrowski
Plan Review Date:	_____
Plan Approval Date:	_____
Plan Approved By:	_____ Mr. Richard Rote, CIH
Site Safety Supervisor:	Chris Kibler
Site Contact:	Jim Doro, Doritex Corp.
Safety Director:	Rick Rote, CIH
Proposed Date(s) of Field Activities:	To Be Determined
Site Conditions:	2.6± acres; Current Site features include green space to the north, west and south of the Site Building and asphalt-paved parking areas to the east and south of the Site Building.
Site Environmental Information Provided By:	❑ Limited Environmental Due Diligence: Transaction Screen report, 11075 Walden Avenue, Alden, New York, prepared by Lender Consulting Services, Inc. dated May 4, 2017 ❑ Supplemental Phase II Environmental Site Assessment report, 11075 Walden Avenue, Alden, New York, prepared by LaBella Associates, D.P.C. dated December 4, 2017
Air Monitoring Provided By:	LaBella Associates, D.P.C.
Site Control Provided By:	LaBella Environmental, LLC

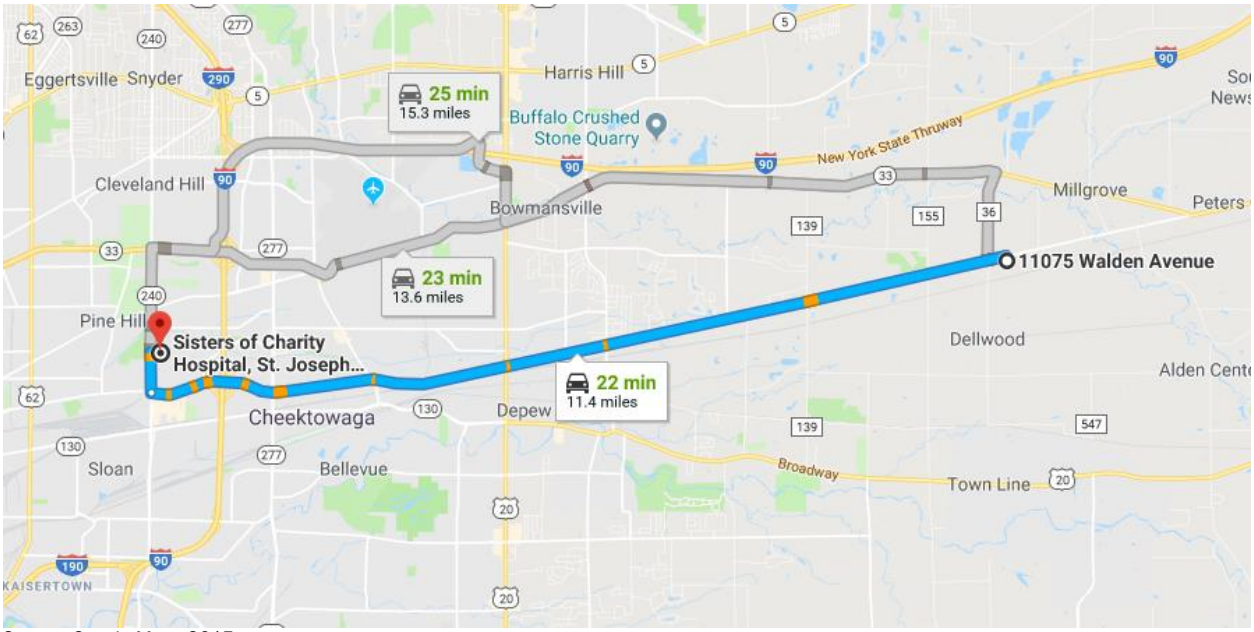
EMERGENCY CONTACTS

	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	St. Joseph's Hospital	716-891-2606
Poison Control Center:	National Poison Control Center (serving Buffalo Area)	800-222-1222
Police (local, state):	Erie County Sheriff's Department	716-937-7675
Fire Department:	Alden Village Fire Department	716-937-9319
Site Contact:	Jim Doro, Doritex Corp.	716-684-6600
Agency Contact:	NYSDEC – Anthony Lopes NYSDOH – To Be Determined	716-851-7220 To Be Determined
Environmental Director:	Rob Napieralski	Direct: 716-551-6283
Project Manager:	Adam Zebrowski	Direct: 716-840-2548
Site Safety Supervisor:	Shannon Dalton or Bonnie Gambrel	Direct: 716-551-6281
Safety Director	Rick Rote, CIH (LaBella)	Direct: 704-941-2123

MAP AND DIRECTIONS TO THE MEDICAL FACILITY
- ST. JOSEPH'S HOSPITAL

11075 Walden Ave
Alden, NY 14004

1. Head west on Walden Ave toward Town Line Rd
   Pass by AutoZone (on the left in 6.4 mi)
   10.9 mi
2. Turn right onto Harlem Rd
   0.5 mi



Source: Google Maps 2015

1.0 INTRODUCTION

The purpose of this Health and Safety Plan (HASP) is to provide guidelines for responding to potential health and safety issues that may be encountered during the Interim Remedial Measure (IRM) at 11075 Walden Avenue in the Town of Alden, Erie County, New York (Site). This HASP only reflects the policies of LaBella Associates, D.P.C. The requirements of this HASP are applicable to all approved LaBella personnel at the work Site. This document's project specifications, and the Community Air Monitoring Plan (CAMP), are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any regulatory requirements of the United States Environmental Protection Agency, New York State Department of Environmental Conservation, Occupational Safety and Health Administration or other regulatory bodies.

2.0 RESPONSIBILITIES

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel and their authorized visitors. The Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of LaBella employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 ACTIVITIES COVERED

The activities covered under this HASP are limited to the following:

- Management of environmental investigation and remediation activities
- Environmental Monitoring
- Collection of samples
- Management of excavated soil and liquid waste (groundwater)

4.0 WORK AREA ACCESS AND SITE CONTROL

The contractor(s) will have primary responsibility for work area access and Site control.

5.0 POTENTIAL HEALTH AND SAFETY HAZARDS

This section lists some potential health and safety hazards that project personnel may encounter at the project Site and some actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as Site environmental and Site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for Site safety and his instructions must be followed.

5.1 *Hazards Due to Heavy Machinery*

Potential Hazard:

Heavy machinery including drilling rigs, excavators, trailers, etc. will be in operation at the Site. The presence of such equipment presents the danger of being struck or crushed and can also create noise pollution. Use caution when working near heavy machinery.

Protective Action:

Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A hard hat, safety glasses, steel toe shoes and ear protection are required.

5.2 *Excavation Hazards*

Potential Hazard:

Excavations and trenches can collapse, causing injury or death. Edges of excavations can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches. Excavations that require working within the excavation will require air monitoring in the breathing zone (refer to Section 9.0).

Excavations left open create a fall hazard which can cause injury or death.

Protective Action:

Personnel must receive approval from the Project Manager to enter an excavation for any reason. Subsequently, approved personnel are to receive authorization for entry from the Site Safety Officer. Approved personnel are not to enter excavations over 4 feet in depth unless excavations are adequately sloped. Additional personal protective equipment may be required based on the air monitoring.

While shoring is planned for the proposed excavation, personnel should exercise caution near all excavations at the Site as excavation sidewalls may become unstable. Do not proceed closer than 3 feet to an unsupported or non-sloped excavation side wall. The contractor will be responsible to ensure that all excavations are left in a safe condition.

Excavations shall be backfilled immediately following completion. If this is not possible, fencing and/or barriers accompanied by "no trespassing" signs should be placed around all excavations when left open for any period of time when work is not being conducted.

5.3 *Cuts, Punctures and Other Injuries*

Potential Hazard:

In any excavation and construction work Site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:

The Project Manager is responsible for making First Aid supplies available at the work Site to treat minor injuries. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment in not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to

the Project Manager. Serious injuries are to be reported immediately to the Site Safety Officer.

5.4 Injury Due to Exposure of Chemical Hazards

Potential Hazards:

Contaminants identified in testing locations at the Site include various chlorinated solvent volatile organic compounds (VOCs). Volatile organic vapors, chlorinated solvents or other chemicals may be encountered during subsurface activities at the project work Site. Inhalation of high concentrations of volatile organic vapors can cause headache, stupor, drowsiness, confusion and other health effects. Skin contact can cause irritation, chemical burn, or dermatitis. In addition, as subsurface activities will take place within the Site Building, there is the potential for carbon monoxide build-up to occur as a result of machinery operation. Inhalation of high concentrations of carbon monoxide can cause headache, stupor, drowsiness, confusion and other health effects including death.

Protective Action:

The use of properly selected Personal Protective Equipment (PPE), adherence to standard health and safety pre-cautions (e.g., no smoking or eating within work area or prior to personal decontamination), and implementation of routine dust suppression methods will effectively minimize exposure to the known contaminants on-site.

The presence of organic vapors may be detected by their odor and by monitoring instrumentation. Approved employees will not work in environments where hazardous concentrations of organic vapors are present. Air monitoring (refer to Section 9.0) of the work area will be performed at least every 60 minutes or more often using a Photoionization Detector (PID). Personnel are to leave the work area whenever PID measurements of ambient air exceed 25 parts per million (ppm) consistently for a 5 minute period. In the event that sustained total volatile organic compound (VOC) readings of 25 ppm are encountered personnel should upgrade personal protective equipment to Level C (refer to Section 8.0) and an Exclusion Zone should be established around the work area to limit and monitor access to this area (refer to Section 6.0).

As the potential for Carbon monoxide build-up exists during subsurface activities, the work area will be properly ventilated in real-time. Carbon monoxide concentrations will also be evaluated at least every 60 minutes or more often using a Carbon Monoxide detector. If concentrations of carbon monoxide are identified in exceedance of 10 ppm during subsurface activities, additional ventilation of the work area will be required prior to commencing with such.

5.5 Injuries due to extreme hot or cold weather conditions

Potential Hazards:

Extreme hot weather conditions can cause heat exhaustion, heat stress and heat stroke or extreme cold weather conditions can cause hypothermia.

Protective Action:

Precaution measures should be taken such as dress appropriately for the weather conditions and drink plenty of fluid. If personnel should suffer from any of the above conditions, proper techniques should be taken to cool down or heat up the body and taken to the nearest hospital if needed.

5.6 *Injuries due to Saw Cutting of Concrete Surfaces*

Potential Hazards:

As saw cutting of the interior concrete slab will be required in order to proceed with the excavation of chlorinated solvent VOC-impacted soils beneath the Site Building, there is the potential for worker exposure to silica dust.

Protective Action:

It is recommended that approved personnel conducting saw cutting activities wear at a minimum a ½ face respirator with organic vapor cartridges. On-site personnel not associated with saw cutting activities should remain a safe distance and (if applicable) upwind from the work area during such to avoid exposure to potential silica dust.

6.0 WORK ZONES

In the event that conditions warrant establishing various work zones (i.e., based on hazards - Section 5.0), the following work zones should be established:

Exclusion Zone (EZ):

The EZ will be established in the immediate vicinity and adjacent downwind direction of Site activities that elevate breathing zone VOC concentrations to unacceptable levels based on field screening. These Site activities include contaminated soil excavation and soil sampling activities. If access to the Site is required to accommodate non-project related personnel then an EZ will be established by constructing a barrier around the work area (yellow caution tape and/or construction fencing). The EZ barrier shall encompass the work area and any equipment staging/soil staging areas necessary to perform the associated work. The contractor(s) will be responsible for establishing the EZ and limiting access to approved personnel. Depending on the condition for establishing the EZ, access to the EZ may require adequate PPE (e.g., Level C).

Contaminant Reduction Zone (CRZ):

The CRZ will be the area where personnel entering the EZ will don proper PPE prior to entering the EZ and the area where PPE may be removed. The CRZ will also be the area where decontamination of equipment and personnel will be conducted as necessary.

7.0 DECONTAMINATION PROCEDURES

Upon leaving the work area, approved personnel shall decontaminate footwear as needed. Under normal work conditions, detailed personal decontamination procedures will not be necessary. Work clothing may become contaminated in the event of an unexpected splash or spill or contact with a contaminated substance. Minor splashes on clothing and footwear can be rinsed with clean water. Heavily contaminated clothing should be removed if it cannot be rinsed with water. Personnel assigned to this project should be prepared with a change of clothing whenever on Site.

Personnel will use the contractor's disposal container for disposal of PPE.

8.0 PERSONAL PROTECTIVE EQUIPMENT

Generally, Site conditions at this work Site require level of protection of Level D or modified Level D; however, air monitoring will be conducted to determine if up-grading to Level C PPE is required (refer to Section 9.0). Descriptions of the typical safety equipment associated with Level D and Level C are provided below:

Level D:

Hard hat, safety glasses, rubber nitrile sampling gloves, steel toe construction grade boots, etc.

Level C:

Level D PPE and full or ½-face respirator and tyvek suit (if necessary). [*Note: Organic vapor cartridges are to be changed after each 8-hours of use or more frequently.*]

9.0 AIR MONITORING

According to 29 CFR 1910.120(h), air monitoring shall be used to identify and quantify airborne levels of hazardous substances and health hazards in order to determine the appropriate level of employee protection required for personnel working onsite. Air monitoring will consist at a minimum of the procedure listed below. Air monitoring instruments will be calibrated and maintained in accordance with the manufacturer's specifications.

The Air Monitor will utilize a PID to screen the ambient air in the work areas (drilling, excavation, soil staging, and soil grading areas) for total VOCs, DustTrak tm Model 8520 aerosol monitors or equivalent for measuring particulates and a carbon monoxide detector for total carbon monoxide concentrations. Work area ambient air will generally be monitored in the work area and downwind of the work area. Air monitoring of the work areas and downwind of the work areas will be performed at least every 60 minutes using a PID, the DustTrak meter and a carbon monoxide detector.

If sustained PID readings of greater than 25 ppm are recorded in the breathing zone, either personnel are to leave the work area until satisfactory readings are obtained or approved personnel may re-enter the work areas wearing at a minimum a ½ face respirator with organic vapor cartridges for an 8-hour duration (i.e., upgrade to Level C PPE). Organic vapor cartridges are to be changed after each 8-hour use or more frequently, if necessary. If PID readings are sustained, in the work area, at levels above 50 ppm for a 5 minute average, work will be stopped immediately until safe levels of VOCs are encountered or additional PPE will be required (i.e., Level B).

As the potential for Carbon monoxide build-up exists during subsurface activities, the work area will be properly ventilated in real-time. If concentrations of carbon monoxide are identified in exceedance of 10 ppm during subsurface activities, additional ventilation of the work area will be required prior to commencing with such.

10.0 EMERGENCY ACTION PLAN

In the event of an emergency, employees are to turn off and shut down all powered equipment and leave the work areas immediately. Employees are to walk or drive out of the Site as quickly as possible, wait at the assigned "safe area" and follow the instructions of the Site Safety Officer.

Employees are not authorized or trained to provide rescue and medical efforts. Rescue and medical efforts will be provided by local authorities.

11.0 MEDICAL SURVEILLANCE

Medical surveillance will be provided to all employees who are injured due to overexposure from an emergency incident involving hazardous substances at this Site.

12.0 EMPLOYEE TRAINING

Personnel who are not familiar with this Site plan will receive training on its entire content and organization before working at the Site.

Individuals involved with the remedial investigation must be 40-hour OSHA HAZWOPER trained with current 8-hour refresher certification.

Table 1
Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(b)(d)	TLV-TWA (ppm)(c)(d)	STEL (ppm)(b)	LEL (%)(e)	UEL (%)(f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Acetone	750	500	NA	2.15	13.2	20,000	Sweet	4.58	9.69
Anthracene	.2	.2	NA	NA	NA	NA	Faint aromatic	NA	NA
Benzene	1	0.5	5	1.3	7.9	3000	Pleasant	8.65	9.24
Benzo (a) pyrene (coal tar pitch volatiles)	0.2	0.1	NA	NA	NA	700	NA	NA	NA
Benzo (a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	10.88
Carbon Disulfide	20	1	NA	1.3	50	500	Odorless or strong garlic type	.096	10.07
Chlorobenzene	75	10	NA	1.3	9.6	2,400	Faint almond	0.741	9.07
Chloroform	50	2	NA	NA	NA	1,000	ethereal odor	11.7	11.42
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethylene	200	200	NA	9.7	12.8	400	Acrid	NA	9.65
1,2-Dichlorobenzene	50	25	NA	2.2	9.2		Pleasant		9.07
Ethyl Alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100	100	NA	1.0	6.7	2,000	Ether	2.3	8.76
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl Alcohol	400	200	500	2.0	12.7	2,000	Rubbing alcohol	3	10.10
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	500	50	NA	12	23	5,000	Chloroform-like	10.2	11.35
Naphthalene	10, Skin	10	NA	0.9	5.9	250	Moth Balls	0.3	8.12
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphoric Acid	1	1	3	NA	NA	10,000	NA	NA	NA
Polychlorinated Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium Hydroxide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane	NA	NA	NA	NA	NA	NA	Sweet	NA	NA
Toluene	100	100	NA	0.9	9.5	2,000	Sweet	2.1	8.82
Trichloroethylene	100	50	NA	8	12.5	1,000	Chloroform	1.36	9.45
1,2,4-Trimethylbenzene	NA	25	NA	0.9	6.4	NA	Distinct	2.4	NA
1,3,5-Trimethylbenzene	NA	25	NA	NA	NA	NA	Distinct	2.4	NA
Vinyl Chloride	1	1	NA	NA	NA	NA	NA	NA	NA
Xylenes (o,m,p)	100	100	NA	1	7	1,000	Sweet	1.1	8.56
Metals									
Arsenic	0.01	0.2	NA	NA	NA	100, Ca	NA	NA	NA
Cadmium	0.2	0.5	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	1	0.5	NA	NA	NA	NA	NA	NA	NA
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	0.05	0.15	NA	NA	NA	700	NA	NA	NA
Mercury	0.05	0.05	NA	NA	NA	28	NA	NA	NA
Selenium	0.2	0.02	NA	NA	NA	Unknown	NA	NA	NA

(a) Skin = Skin Absorption
(b) OSHA-PEL Permissible Exposure Limit (flame weighted average, 8-hour): NIOSH Guide, June 1990
(c) ACGIH – 8 hour time weighted average from Threshold Limit Values and Biological Exposure Indices for 2003.
(d) Metal compounds in mg/m3
(e) Lower Exposure Limit (%)
(f) Upper Exposure Limit (%)
(g) Immediately Dangerous to Life or Health Level: NIOSH Guide, June 1990.

Notes:
1. All values are given in parts per million (PPM) unless otherwise indicated.
2. Ca = Possible Human Carcinogen, no IDLH information.