



Phase II Environmental Site Assessment

Location:

Former Emkay Trading Corp. Site
58 Church Street
Arcade, New York 14009

Prepared for:

Mr. James Pierce
WCBC North LLC
36 Center Street
Warsaw, New York 14569

LaBella Project No. 2193071

March 4, 2020

Table of Contents

1.0	EXECUTIVE SUMMARY	4
2.0	INTRODUCTION.....	5
2.1	Special Terms and Conditions.....	5
2.2	Limitations & Exceptions	5
3.0	BACKGROUND.....	5
3.1	Site Description & Features	5
3.2	Physical Setting.....	6
3.3	Site History and Land Use	6
3.4	Adjacent Property Use.....	6
3.5	Summary of Previous Studies	6
3.5.1	2008 Environmental Site Assessment Report	7
3.5.2	Limited Pre-Demolition Asbestos-Containing Materials (ACM) Inspection Report.....	7
3.5.3	2019 Phase I Environmental Site Assessment Report.....	8
4.0	OBJECTIVES	8
5.0	SCOPE OF WORK.....	9
5.1	Field Investigation.....	9
5.1.1	Surface Soil/Fill Sampling & Analysis	9
5.1.2	UST Investigation	9
5.1.3	Test Pit Investigation (Site-Wide Subsurface Soil/Fill Characterization).....	10
5.1.4	Groundwater Characterization.....	10
5.1.5	Container Inventory.....	11
5.1.6	Quality Assurance, Quality Control, and Data Validation	11
6.0	SITE GEOLOGY AND HYDROGEOLOGY	11
7.0	FIELD OBSERVATIONS AND SCREENING RESULTS	12
7.1	Surface and Subsurface Soil/Fill	12
7.1.1	Surface Soil/Fill Sampling.....	12
7.1.2	UST Investigation	12
7.1.3	Test Pit Investigation.....	13
7.2	Groundwater.....	13
8.0	ANALYTICAL RESULTS.....	13
8.1	Surface Soil/Fill.....	14
8.2	Subsurface Soil	14
8.2.1	UST Area Subsurface Soil/Fill	14
8.2.2	Site-Wide Subsurface Soil/Fill.....	15

TABLE OF CONTENTS

Continued

8.3	Groundwater.....	15
8.4	Data Usability Summary Report	15
9.0	CONCLUSIONS.....	16
10.0	REMEDIAL CONSIDERATIONS	17

Figures	Figure 1 – Site Location Map
	Figure 2 – General Site Plan
	Figure 3 – Sample Location Map
	Figure 4 – Underground Storage Tank Location Map

Tables	Table 1 – Summary of Surface Soil/Fill Analytical Results
	Table 2 – Summary of Subsurface Soil/Fill Analytical Results from UST Area
	Table 3 - Summary of Site-Wide Subsurface Soil/Fill Analytical Results
	Table 4 – Summary of Groundwater Analytical Results

Appendix 1	Field Logs
Appendix 2	Laboratory Analytical Reports
Appendix 3	Data Usability Summary Report [Not Included]
Appendix 4	Rough Order of Magnitude Remedial Cost Estimate

1.0 EXECUTIVE SUMMARY

LaBella Associates, D.P.C. (LaBella) was retained by WCBC North, LLC to conduct a Phase II Environmental Site Assessment (ESA) at the property addressed as 58 Church Street, Village of Arcade, Wyoming County, New York, 14009 (Tax IDs: 183.9-1-32.1 and 183.9-1-32.2), hereinafter referred to as the "Site" (see Figure 1). The Site is currently vacant and tax delinquent, encompasses approximately 10.5 acres and is occupied by the remnants of a former dairy processing and manufacturing facility complex that is in an advanced state of deterioration, as well as a former filling station. This assessment was completed to investigate Site conditions for the purpose of determining the likelihood that the Site will be eligible for entry into the New York State Brownfield Cleanup Program (BCP) in connection with future redevelopment efforts.

The scope of this Phase II ESA included:

- Surface soil/fill characterization
- Subsurface soil/fill investigation
- Groundwater investigation
- Underground Storage Tank (UST) investigation

It should be noted that an inventory of containers (i.e., drums, pails, etc.) located on the Site was also programmed for completion during this Phase II ESA, but could not be performed due to the hazards associated with the deteriorated condition of building complex (i.e., structural deficiencies, asbestos, etc.) and winter weather conditions that obscured the ground surface.

The key findings of this Phase II ESA include:

- Friable ACM was documented within demolition debris located on the western portion of the site during a previous study, which also identified friable and non-friable ACM within portions of the remaining structures.
- Fill material of unknown origin was encountered across the Site from below the vegetative cover or concrete to depths up to 7 feet (ft.) below ground surface (bgs).
- Four (4) unregistered USTs ranging in size from 500 to 4,000 gallons were uncovered on the northeastern portion of the Site in the area of a former filling station.
- Field and laboratory data indicated the soil/fill and groundwater in the vicinity of the USTs and former fuel dispensing island is contaminated with petroleum constituents commonly associated with gasoline at concentrations above applicable Standards, Criteria and Guidance levels (SCGs).
- As a result of the petroleum contamination detected in the former filling station area, a spill was reported to NYSDEC and an active spill file (#1908745) was assigned to the Site.
- Contaminants, including arsenic, lead and mercury, were detected in site-wide surface soil/fill samples at concentrations exceeding unrestricted use Soil Cleanup Objectives (SCOs). The level of arsenic detected in surface soil/fill in one area north of the former manufacturing complex also exceeded the restricted residential, commercial and industrial use SCOs.
- Concentrations of arsenic, lead and mercury that exceeded unrestricted and restricted residential SCOs were also detected in subsurface soil/fill collected from multiple test pit locations across the Site.
- Concentrations of multiple PAHs exceeded and/or equaled the unrestricted and restricted residential use SCOs in the subsurface soil/fill sample collected in the area between the former manufacturing complex and Cattaraugus Creek.
- Polychlorinated Biphenyl (PCB) aroclor-1254 was detected in the surface and subsurface soil/fill samples collected at one location to the north of the former manufacturing complex at concentrations exceeding the unrestricted use SCO.

- Based on the results of this assessment, which documented the presence of soil and groundwater contamination on the Site at levels exceeding the applicable SCGs, it appears that the Site would be eligible for entry into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). A formal BCP eligibility determination, however, cannot be made without submittal of a complete BCP application to NYSDEC.
- The scope and corresponding cost of further investigation and/or remedial actions at the site cannot be determined without a site-specific review of Site conditions by the NYSDEC within the context of the applicable regulatory programs (i.e., Spills Program, BCP, etc.). However, LaBella has developed a list of general response actions that could reasonably be expected to render the site suitable for restricted residential use and are described herein. The Rough Order of Magnitude (ROM) cost estimate for implementing these actions is \$1.93M. This ROM cost estimate is preliminary in nature and has an accuracy of +/- 50%.

2.0 INTRODUCTION

This Phase II ESA has been performed in general conformance with the scope and limitations of ASTM Practice E 1903-11.

2.1 *Special Terms and Conditions*

The findings of this Phase II ESA are based on the scope of services and project objectives stated in the fully executed agreement between LaBella and WCBC North, LLC for the Phase I/II Environmental Site Assessment of the Former Emkay Trading Site, dated October 16, 2019.

2.2 *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 or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the Site as a whole.

3.0 BACKGROUND

3.1 *Site Description & Features*

The Site consists of two contiguous parcels (Parcel IDs: 183.9-1-32.1 and 183.9-32.2) totaling 10.5 acres of land located south of North road, and west of Church Street in the Village of Arcade, New York (see Figure 2). The Site is currently vacant and tax delinquent, and was previously utilized as a dairy processing and manufacturing plant. The Site contains the remnants of a building complex comprised of multiple structures including: one 51,500 square-foot manufacturing building (Site-Building 1) that was constructed by 1912; one single-story approximately 350 square-foot building (Site Building 2) that was constructed by 1963; on single-story 3,240 square foot barn (Site Building 3) that was constructed by 1912; one single-story approximately 1,500 square foot building (Site Building 4) that was constructed between 1971 and 1981; and one single-story approximately 350 square-floor building (Site Building 5) that was constructed by 1944. Many of the structures have been subjected to selective demolition and salvage operations over the last decade, and are in a substantially deteriorated state.

The western portion of the Site is occupied by the remnants of a wastewater treatment facility constructed circa 1963 in connection with the dairy processing and manufacturing operation. The exterior of the Site consists of overgrown grassy and wooded areas, areas of demolition debris, as well as gravel and asphalt-paved driveway and parking areas.

3.2 Physical Setting

The Site is located in a primarily residential section of the Village of Arcade and is bordered by Cattaraugus Creek, which separates the Site from the central business corridor. Surrounding properties are used for residential, educational and civic purposes. Undeveloped land also occurs along the Cattaraugus Creek corridor in the vicinity of the Site.

3.3 Site History and Land Use

Based on historical records reviewed, the Site was developed by at least 1866 for apparent residential use. The Site was developed with a portion of the current Site Buildings between 1902 and 1912, and was used as a dairy processing and manufacturing facility from at least 1912 to approximately 10 years ago. Operations on the Site have historically included machine shops, a paint shop, tin shop, blacksmith, and copper shop. A gasoline filling station with USTs was present on the northeast portion of the Site in at least 1944. An oil house was depicted on the southwest portion of the Site in 1944, and a wastewater treatment facility has been located on the western portion of the Site from at least 1963. Railroad spurs have been located on the south portion of the Site since at least 1912. Properties adjacent to the Site have historically been used for manufacturing, educational, or residential purposes.

3.4 Adjacent Property Use

The Site is bordered by the following Properties.

Direction	Land Use
North	Residential (291-356 North Street)
East	Residential (53-63 Church Street)
South	Cattaraugus Creek and Pioneer Central School (Elementary) (315 Main Street)
West	Undeveloped Land

3.5 Summary of Previous Studies

Previous environmental reports reviewed by LaBella in connection with this assignment include:

- Environmental Site Assessment Report, Vacant Dairy Processing Facility (Emkay Trading Corp.), 58 Church Street, Arcade, NY, prepared by Lender Consulting Services Inc. (LCS) dated April 23, 2008
- Limited Pre-Demolition Asbestos-Containing Materials (ACM) Inspection for the Former Emkay Trading Corporation Barn and Tank Building, 58 Church Street, Arcade, NY, prepared by LaBella Associates dated August 2019
- Phase I Environmental Site Assessment Report for 58 Church Street, Arcade, NY prepared by LaBella Associates dated November 2019

The following is a summary of the information obtained from the aforementioned reports:

3.5.1 2008 Environmental Site Assessment Report

The 2008 Environmental Site Assessment Report identified the following Recognized Environmental Conditions (RECs) in connection with the Site:

- The Site was historically used for the manufacturing of dairy products beginning in at least 1912 and included machine shops, blacksmith, paint shop, copper shop and tin shop.
- A filling station and three gasoline tanks were located on the northeast portion of the property in at least 1944.
- Four suspect vent pipes were noted on a building on the northeast portion of the property.
- Many 55-gallon drums were stored at the Site, including some covered in a tar-like substance, some empty drums, and some filled but unlabeled drums.
- Petroleum-like staining was observed near tractor trailers on the west portion of the Site, and approximately 30 square feet of stressed vegetation was observed in this area.
- Approximately 15,000-gallon AST was noted on the east side of Site Building 1.
- A large concrete pad with metal plates was noted to the south of Site Building 1.
- A concrete and brick lined tunnel was noted to the north of Site Building 1.
- A railroad spur was noted on the southern portion of the Site since at least 1912.

Additionally, the report identified Historical Recognized Environmental Conditions (HRECs) in connection with closed or inactive spills at the Site, as well as one closed spill on the east adjacent property. De Minimis conditions were also identified in the form of general debris scattered throughout the Site; tires; furnaces; a generator; a sealed concrete access way located to the south of Site Building 1; transformers; peeling paint; and elevated radon concentrations in the area.

3.5.2 Limited Pre-Demolition Asbestos-Containing Materials (ACM) Inspection Report

Wyoming County contracted with LaBella to perform a limited survey of suspect Asbestos Containing Materials (ACM) on a portion of the abandoned building complex at the Site. The survey focused on the demolition debris present on the western portion of the site; the remnants and debris associated with the partially razed building referred to as the Barn (Building 3); and the western portion of the tank building (Building 1).

LaBella's field inspection identified numerous suspect ACMs comingled within the demolition debris located on the western portion of the site. Additionally, numerous suspect ACMs were identified in the Barn and Tank Building that had not been previously identified or analyzed in the previous reports. Laboratory analysis of samples of the suspect ACMs identified by LaBella confirmed that: (1) uncontrolled friable and non-friable ACM is present within demolition debris on the western portion of the site; (2) friable and non-friable ACM in the form of window glazing, pipe insulation, felt paper debris and roofing material is present within the remnants of the Barn structure; and (3) numerous friable and nonfriable ACMs including readily visible Galbestos and Transite siding are present in the Tank Building.

The report indicated that demolition debris piles were located throughout the areas inspected, and that ACM is comingled within the demolition debris. Therefore, it was stated that all debris piles should be considered asbestos containing and handled appropriately.

Furthermore, the report indicated that the building envelopes of multiple structures on the Site are failing, with significant structural deficiencies observed. Consequently, certain areas of the buildings were excluded from inspection or could not be fully inspected due to building envelope and structural deficiencies.

3.5.3 2019 Phase I Environmental Site Assessment Report

LaBella completed a Phase I Environmental Site Assessment (ESA) of the Site on behalf of WCBC North, LLC prior to undertaking the current Phase II ESA. The Phase I ESA identified the following RECs in connection with the Site:

- The Site has been used as a dairy processing and manufacturing facility since at least 1912 and Site operations included machine shops, a blacksmith, paint shop, tin shop, and cooper shop;
- A gasoline filling station, including three gasoline tanks, was present on the northeast corner of the Site in at least 1944;
- At the time of the Site visit, suspect vent pipes were observed on the building situated on the northeast corner of the Site (Building 5);
- An oil house was present on the southwest portion of the site in at least 1944;
- Multiple 55-gallon drums were observed throughout the Site at the time of the site visit. Some drums were observed to be empty, some were filled but unlabeled, and several were covered with a thick black substance;
- Railroad spurs have been present on the southern portion of the Site since at least 1912;
- A wastewater treatment plant has been present on the west portion of the Site since at least 1963;
- Several areas of stained soil and gravel were observed to the north of Building 1 at the time of the site visit; and
- The presence of friable asbestos was documented within remaining building structures and demolition debris on the Site.

The following HRECs were also identified in association with the Site:

- Four closed NYSDEC spills (8910143, 9108045, 9401018, and 0275118) were identified for the Site in relation to releases of dairy products to Cattaraugus Creek or the municipal sewer system.
- One NYSDEC spill (#9205374) involved the discharge of sodium hydroxide, nitric acid, and propylene glycol into a clarifier on the Site; the chemicals may have discharged directly from the clarifier to Cattaraugus Creek. Samples were collected, however no analysis was ever completed, and the NYSDEC Spills Division assigned the spill a closed status due to lack of involvement.

Lastly, the Phase I ESA identified the following de Minimis condition relative to the Site:

- Debris including scrap metal, concrete, bricks, construction equipment, cardboard, and wood were observed throughout the Site at the time of the site visit.

4.0 OBJECTIVES

WCBC North, LLC, in collaboration with the Wyoming County Business Center (WCBC), Wyoming County and the Village of Arcade, seeks to stimulate the cleanup and redevelopment of this tax delinquent Site, which has been complicated by environmental concerns related to known and suspected contamination, as well as by the dilapidated condition of the remaining structures. The liability protections and tax credits available through the New York State Brownfield Cleanup Program (BCP) could be important factors in addressing these concerns and attracting private sector developer interest in redeveloping the Site. Consequently, the primary objectives of this Phase II ESA were to generate sufficient information concerning soil and groundwater conditions on the Site to determine the likelihood that it would be eligible for acceptance into the BCP, and to support a BCP application in the future. Additionally, the information generated is intended to aid in determining available cleanup options and order of magnitude Site preparation and cleanup costs, which are important considerations relative to formulating a redevelopment strategy.

5.0 SCOPE OF WORK

The following scope of services was conducted:

5.1 *Field Investigation*

Utility Clearance

Prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the Site to locate utilities in the areas where the subsurface assessment would take place.

Soil Field Screening Techniques

All subsurface investigatory locations were continuously assessed in the field for visible impairment, olfactory indications of impairment, and for Total Organic Vapors (TOVs) using a photoionization detector (PID). Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.” Evidence of impairment that is gathered at the time of the fieldwork is used with observed hydrogeologic conditions to assist in determining the location and depth for sample collection.

Laboratory

Chemical analysis of soil and groundwater samples was performed by Eurofins TestAmerica, Buffalo, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. Quality Assurance/Quality Control (QA/QC) measures included the collection and analysis of trip blank and matrix spike/matrix spike duplicate (MS/MSD) samples. The laboratory also conducted method-specific QA/QC.

5.1.1 *Surface Soil/Fill Sampling & Analysis*

LaBella collected three surface soil samples (Test Pit 9 Surface, Church Street Bay Area, and UST Parking Area) on December 5, 2019, from the north and eastern portions of the site at locations that are not covered by impervious surfaces (i.e., asphalt, concrete, etc.) to characterize the materials currently exposed at the surface of the site. A track-mounted excavator was utilized to scrap off the top vegetative layer to facilitate the collection of the soil samples from within six inches of the ground surface. These samples were submitted for chemical analysis under proper chain-of-custody procedures as follows:

- Semi-Volatile Organic Compounds (SVOCs) appearing on the USEPA Target Compound List (TCL) via USEPA Method 8270
- Polychlorinated Biphenyls (PCBs) via USEPA Test Method 8082
- Resource Conservation and Recovery Act (RCRA) Metals via USEPA Methods

The locations of the three surface soil samples were measured relative to fixed site features and are depicted on Figure 3.

5.1.2 *UST Investigation*

LaBella investigated the suspected presence of USTs on the northeastern corner of the Site through the excavation of a series of exploratory test trenches in the vicinity of the former filling station (Building 5). An excavator was used to uncover the tops of the four USTs encountered for the purpose of determining their dimensions, construction and general condition. Once uncovered, LaBella determined the approximate volume of liquid and/or sludge within the discovered USTs. Additionally, test pits were excavated around the perimeter of the USTs and in the vicinity of piping and former dispensers to investigate potential subsurface impacts from petroleum products. The test pits were advanced to an average depth of approximately 10 feet bgs. Material removed from the test pits was field screened via the techniques summarized above.

Logs describing the overburden stratigraphy, field measurements, and other pertinent observations associated with the test pits were recorded (see Appendix 1), and the test pit locations were measured relative to fixed site features.

LaBella collected four soil/fill samples from the locations proximate the USTs and former dispenser island and submitted them under standard chain-of-custody procedures for laboratory analyses for the following.

- NYSDEC CP-51 VOCs via USEPA Method 8260
- NYSDEC CP-51 SVOCs via USEPA Method 8270
- RCRA Metals via USEPA Methods

Soil/fill material excavated from each test pit was returned to the excavation from which it originated and was compacted using the excavator bucket.

5.1.3 Test Pit Investigation (Site-Wide Subsurface Soil/Fill Characterization)

LaBella implemented a test pit program that involved the excavation of ten test pits to characterize subsurface stratigraphy, identify and delineate the extent of fill materials, and facilitate the collection, screening and chemical analysis of soil and fill samples. The test pit locations are shown on Figure 3 and were selected to investigate areas of potential concern identified in the Phase I ESA completed by LaBella, as well as to generally characterize soil/fill conditions across the Site. It should be noted, however, that no test pits were completed in areas of the site containing ACM demolition debris for health and safety reasons. The test pits were advanced using an excavator to an average depth of approximately 10 feet bgs. Material removed from the test pits was field screened via the techniques summarized above.

LaBella supervised and documented the test pit program, and prepared logs describing the overburden stratigraphy, field measurements, and other pertinent observations (see Appendix 1). The test pit locations were measured relative to fixed site features. LaBella submitted six subsurface soil/fill samples collected from the test pits under standard chain-of-custody procedures for laboratory analyses for the following.

- Volatile Organic Compounds (VOCs) appearing on the USEPA TCL via USEPA Method 8260
- SVOCs appearing on the USEPA TCL via USEPA Method 8270
- PCBs via USEPA Test Method 8082
- RCRA Metals via USEPA Methods

Soil/fill material excavated from each test pit was returned to the excavation from which it originated and was compacted using the excavator bucket.

5.1.4 Groundwater Characterization

LaBella completed the installation, purging and sampling of three groundwater monitoring wells (MW-1 through MW-3) to investigate groundwater conditions at the Site. The groundwater monitoring well locations are depicted on Figure 3 and were selected to assess the subsurface conditions proximate specific areas of concern identified during previous tasks (i.e., USTs, areas of soil impact, etc.). The following activities were completed in connection with the groundwater characterization program:

- LaBella mobilized a rotary drill rig and crew to the Site to implement the drilling program;
- The drilling equipment was decontaminated prior to use via high pressure sprayer and/or an Alconox wash, followed by a potable water rinse, depending on the equipment being used. Between each soil sample and soil boring, decontamination procedures were repeated;
- Continuous split-spoon sampling was conducted throughout the total depth of each boring;
- LaBella field screen the soil samples via the field screening techniques described above;
- LaBella supervised and documented the soil boring program, and prepared logs describing the overburden stratigraphy (see Appendix 1);

- LaBella measured the well locations relative to existing Site features;
- Overburden wells were installed to an average depth of 21 feet below grade. Each well was completed with 10 feet of two-inch, Schedule 40 0.010-slot well screen connected to an appropriate length of schedule 40 PVC well riser to complete the well. The borehole annulus surrounding the well screen was filled with quartz sand to one to two feet above the screen section. The remaining annulus was sealed with bentonite to approximately one to two feet bgs, and then grouted to ground surface. Each well was finished with a lockable steel protective casing (monitoring well installation diagrams are in Appendix 1);
- LaBella personnel developed the wells by removing three to five well volumes from each well using dedicated bailers;
- Representative groundwater samples were obtained from the wells using low-flow techniques and submitted for the following laboratory analysis:
 - Volatile Organic Compounds (VOCs) appearing on the USEPA TCL via USEPA Method 8260
 - SVOCs appearing on the USEPA TCL via USEPA Method 8270
 - PCBs via USEPA Test Method 8082
 - RCRA Metals via USEPA Methods
- Well purging and groundwater sampling logs that describe pertinent field information are presented in Appendix 1.

5.1.5 Container Inventory

Unsafe conditions stemming from the hazards associated with the dilapidated condition of the Site buildings, and the presence of friable ACM and snow cover prevented LaBella from conducting an inventory of containers on the Site.

5.1.6 Quality Assurance, Quality Control, and Data Validation

The laboratory data was reported in a Category B deliverables package to facilitate validation of the data, and a third party validator reviewed the laboratory data and prepared a Data Usability Summary Report (DUSR). The validator evaluated the analytical results for the field samples and quality assurance/quality control samples and compared the findings to USEPA guidance to determine the accuracy and validity of the results. The quality assurance/quality control samples collected are summarized below.

Soil QA/QC

- one trip blank for VOCs
- one MS/MSD sample for VOCs, SVOCs, and metals

Groundwater QA/QC

- one trip blank for VOCs
- one MS/MSD sample for VOCs, SVOCs, and metals

6.0 SITE GEOLOGY AND HYDROGEOLOGY

The subsurface conditions at the Site were evaluated based on fourteen test pits and three monitoring wells installed during the course of this Phase II ESA. In general, similar subsurface conditions were encountered within the test pit and soil boring locations. Fill material was encountered across the Site from below the vegetative cover or asphalt to depths ranging from 2 to 7 ft bgs. Fill material generally consisted of dark brown to gray fine and coarse sand with gravel, brick, coal and concrete throughout a majority of the Site. A 1 to 2 ft thick coal-like substance was observed at a depth of 2 to 4 ft bgs within the test pits excavated along the northern, western and southern perimeters of Building 1. Intermingled brown

clayey silt was observed in a few locations. Underlying indigenous soils across the Site generally consist of brown to gray-brown alluvial deposits consisting of a mixture of silt, sand and gravel. Bedrock was not encountered within the test pits or borings completed at the Site.

No significant groundwater or saturated conditions were observed during the advancement of the test pits. However, groundwater was encountered during the advancement of test borings that were completed with the three monitoring wells. Static water level measurements taken prior to the sampling of each well indicated groundwater depths of 13.08 ft bgs (MW-1), 4.9 ft bgs (MW-2), and 6.07 ft bgs (MW-3). Based on the static water levels in the monitoring wells, groundwater flow direction is to the south toward the discharge area represented by Cattaraugus Creek.

7.0 FIELD OBSERVATIONS AND SCREENING RESULTS

7.1 Surface and Subsurface Soil/Fill

7.1.1 Surface Soil/Fill Sampling

No photo-ionic, visual or olfactory evidence of impairment was observed at any of the three surface sample locations. It should be noted that snow cover existed at the time of sample collection and limited visual observations of the ground surface at each location.

7.1.2 UST Investigation

The field investigation uncovered four USTs in the area to the east of the former filling station (Building 5). The location and configuration of the USTs is shown on Figure 4. The tops and southern ends of all four USTs were uncovered to enable measurements of these tanks, all of which appeared to be of single-wall steel construction. Petroleum odors, staining and elevated PID readings were noted in the soil/fill immediately surrounding the USTs. As a result, LaBella contacted the NYSDEC Spill Hotline to report the contamination and Spill #1908745 was assigned to the Site.

Based on the tank measurements taken, the approximate volumes of the USTs are as follows:

- UST #1: 1,000 gal
- UST #2: 1,000 gal
- UST #3: 500 gal
- UST #4: 4,000 gal

All four of the USTs appeared to be filled to capacity with fluids that resembled a mixture of water and petroleum product. LaBella could not determine the presence or absence of sludge in the tanks using the measurement method applied in the field.

Subsequent to uncovering the USTs, four test pits were excavated in the vicinity of the former filling station to assess subsurface conditions in areas presumed to be down-gradient of the UST field, underground piping and former dispenser island. Fill material consisting of a heterogeneous mixture of dark-brown to gray silty sand with well round gravel was encountered in these test pits from depths ranging from 2 to 10 ft bgs, and may represent re-worked native overburden. Petroleum-type odors, staining and elevated PID readings were observed at all four test pit locations. As shown in the table below, the highest PID levels were observed directly south of the UST field extending to the terminal depth of Test Pit 1. Elevated TOV levels were also observed in the vicinity, and down-gradient of the former dispenser island.

Underground Storage Tank Area Test Pit PID Readings

Test Pit ID	0-2'	2-4'	4-6'	6-8'	8-10'	10-12'
Test Pit 1	600	1,300	600	600	300	300
Test Pit 2	230	600	600	600	287	87
Test Pit 3	180	385	300	220	200	-
Test Pit 4	100	115	135	260	220	0

Notes:

1. All PID readings were collected utilizing a Minirae 3,000 PID and are expressed in parts per million (ppm).
2. The PID screening is performed as a method of determining general presence or absence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOC present in the soil, and are not considered to be a direct quantization of actual soil VOC concentration.
3. - Denotes excavation did not extend to that depth.

7.1.3 Test Pit Investigation

In addition to the four test pits advanced in the area of the former filling station, 10 test pits were excavated across the Site around the perimeter of the former manufacturing facility. Fill material was observed in a majority of the test pits from the ground surface to a maximum depth of 6 ft bgs. The fill material observed in the test pits was composed of a mixture of concrete building debris, miscellaneous anthropogenic materials, and a coal-like substance intermingled with silt, sand and gravel. The origin of this fill material is unknown. Field evidence of impairment including petroleum-like odor, staining and elevated PID readings was observed in Test Pit 3. Levels of TOVs measured in the soil/fill removed from Test Pit 3 ranged from 30-1,300 parts per million (PPM), with the peak measurements recorded from 2-4 ft bgs and elevated readings observed throughout the total depth of the test pit. No field evidence of impairment was noted in the other test pits.

7.2 Groundwater

Three overburden groundwater monitoring wells designated as MW-1, MW-2, and MW-3 were installed at the Site to investigate groundwater conditions in select areas in which impacted soil was encountered. The wells were installed within the alluvial deposits at an average depth of approximately 21 ft bgs. Static water levels within the wells were measured at 13.08 ft bgs (MW-1), 4.9 ft bgs (MW-2), and 6.07 ft bgs (MW-3) prior to the collection of groundwater samples. No visual or olfactory evidence of contamination was noted in the groundwater removed from these wells during the development/purging process, which involved the removal of five well volumes from each well prior to sample collection. Elevated turbidity levels were encountered in all of the wells during purging and sampling.

Monitoring well locations are shown on Figure 3, while the well purging and sampling field logs are included in Appendix 1.

8.0 ANALYTICAL RESULTS

The following sections summarize and discuss the analytical results generated during this investigation. Surface soil/fill, subsurface soil/fill and groundwater samples were collected for chemical analysis to determine the presence or absence of contaminant levels exceeding applicable regulatory Standards, Criteria and Guidance levels (SCGs).

For discussion purposes, these data are compared with the SCGs applicable to each medium sampled, including:

- Soil/Fill: NYSDEC Part 375 Soil Cleanup Objectives (SCOs)
- Soil/Fill: NYSDEC CP-51 Soil Cleanup Guidance Levels (SCGs)
- Groundwater: NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS)

The analytical laboratory reports are included in Appendix 2. These data were validated in accordance with NYSDEC guidelines and were qualified, where appropriate, based on the data usability evaluation. Qualifier codes were used to indicate the qualitative and quantitative reliability of the data. All analytical laboratory data were found to be valid and usable with the qualifications noted in the DUSRs (see Section 8.4). A series of summary tables (Tables 1-4) presenting the data with the final validation qualifiers and comparing the results to the applicable SCGs has been integrated into the discussion of the data in the following subsections.

8.1 Surface Soil/Fill

As reflected by Table 1, low concentrations of SVOCs categorized as Polycyclic Aromatic Hydrocarbons (PAHs) were detected in two of the three surface soil samples, but the concentrations of these compounds were below Part 375 SCOs for unrestricted use. However, one PCB aroclor (PCB-1254) was also detected in the sample collected from north of Building 3 at a concentration that exceeded the unrestricted use SCO and approached the SCO for restricted residential use. The concentrations of arsenic, lead and mercury in this sample also exceeded the unrestricted use SCOs, with the arsenic level in this sample also eclipsing the SCOs for restricted residential, commercial and industrial use. With the exception of arsenic in the sample collected to the west of the UST area and lead in the sample obtained to the east of Building 1, both of which were detected at a concentration that exceeded the unrestricted use SCOs, no other contraventions of the SCOs were identified.

8.2 Subsurface Soil

8.2.1 UST Area Subsurface Soil/Fill

As reflected by Table 2, VOCs commonly associated with gasoline were detected in all four subsurface soil/fill samples collected from the test pits completed in the vicinity of the former filling station. Concentrations of a handful of these contaminants, primarily Benzene, Toluene, Ethylbenzene and Xylene, collectively referred to as BTEX compounds, exceeded the CP-51 SCGs in three of the test pits completed proximate the UST field and former dispenser island. The highest frequency and concentration of VOC detections was found in UST Test Pit 2, situated between the UST field and former dispenser island.

One or more SVOCs were detected in all four subsurface soil/fill samples from this area of the Site; however, the concentrations of all of the detected compounds were below the CP-51 SCGs.

With the exception of arsenic in UST Test Pit 1, which was detected at a concentration that exceeded the unrestricted use SCOs and equaled the restricted residential use SCO, metals levels detected in all four subsurface soil/fill samples collected from the former filling station area were below the unrestricted use SCOs.

8.2.2 Site-Wide Subsurface Soil/Fill

Table 3 shows that low concentrations of a handful of VOCs were detected in the subsurface samples collected from the test pits advanced at locations around the perimeter of the former manufacturing facility. However, the concentrations of all VOCs detected were below the unrestricted use SCOs.

Numerous SVOCs, primarily consisting of PAHs, were detected in five of the six subsurface soil/fill samples, but contraventions of the SCOs were only detected in Test Pit 5. The concentrations of SVOCs in the remaining samples were below the unrestricted use SCOs. Two PAHs (benzo[a]anthracene and benzo[b]fluoranthene) were detected in the sample from Test Pit 5 at concentrations exceeding both the unrestricted and restricted residential SCOs, and one PAH (indeno[1,2,3-cd]pyrene) was detected in this sample at a concentration equaling said SCOs. Additionally, a fourth PAH (chrysene) was detected in this sample at a concentration that exceeded the unrestricted use SCO.

One PCB aroclor (PCB-1254) was also detected in the sample collected from Test Pit 9 at a concentration that exceeded the unrestricted use SCO. No other detections of PCBs occurred in the subsurface soil/fill samples submitted for laboratory analysis.

Arsenic concentrations in three (Test Pits 3, 5 and 9) of the six samples exceeded the unrestricted, restricted residential, commercial and industrial use SCOs. Lead levels in three (Test Pits 1, 5 and 9) of the six samples also exceeded the unrestricted SCO. The highest concentration of lead detected in these samples was 2,340 parts per million (PPM) in Test Pit 5, which also exceeded the restricted residential and commercial SCOs. Lastly, mercury concentrations in all but one sample exceeded the unrestricted use SCO, but were below the restricted residential SCO.

8.3 Groundwater

As reflected in Table 4, BTEX compounds were detected in the groundwater sample collected from MW-3 at concentrations exceeding the Ambient Water Quality Standards (AWQS). This well is located down-gradient from the UST field and former dispenser island. Low concentrations of several other VOCs were also detected in MW-2, but no exceedances of the AWQS were noted in this sample.

Two SVOCs (2-methylnaphthalene and naphthalene) were also detected in MW-3 at levels exceeding the AWQS. Additionally, caprolactam, an organic substance primarily associated with the production of nylon fibers and resins, was detected in the samples from all three monitoring wells. No AWQS has been promulgated for this compound.

Concentrations of arsenic, barium chromium, lead and mercury were detected in one or more monitoring well samples at levels exceeding the AWQS. These detections, however, may be the reflective of the elevated turbidity of the samples and not the presence of dissolved metals in the groundwater.

8.4 Data Usability Summary Report

Third-party data validation of the laboratory analytical results was completed by Vali-Data of WNY, LLC. The findings of the third party data validation were issued in a Data Usability Summary Report (DUSR) for each sample matrix. The DUSRs are included in Appendix 3 and indicate that the data are acceptable for use with certain qualifications relating to sample dilutions and estimated concentrations.

9.0 CONCLUSIONS

Based on the results of this assessment, the following conclusions have been developed:

- Fill material was encountered across the Site from below the vegetative cover or asphalt to depths ranging from 2 to 7 ft bgs. Fill material generally consisted of dark brown to gray fine and coarse sand with gravel, brick, coal and concrete throughout a majority of the Site. A 1-2 ft thick coal-like substance was observed at a depth of 2 to 4 ft bgs within the test pits excavated along the northern, western and southern perimeters of the former manufacturing building.
- Native overburden at the Site primarily consists of brown to gray-brown alluvial deposits consisting of a mixture of silt, sand and gravel. Bedrock was not encountered within the test pits or borings completed at the site.
- Static water levels measured in monitoring wells installed at the site ranged from 4.9-13.08 ft. bgs and groundwater flow appears to be in a southerly direction toward the discharge area represented by Cattaraugus Creek.
- Due to unsafe building and weather conditions, an inventory of containers present within the building complex was not completed as planned. However, observations made during several previous Site visits indicate that numerous containers (i.e., drums, pails, etc.) exist throughout the complex and are likely to contain a variety of chemicals and/or petroleum products.
- Friable ACM was documented within demolition debris located on the western portion of the site during a previous study, which also identified friable and non-friable ACM within portions of the remaining structures.
- Four USTs, all of which appeared to be of single-wall steel construction, were uncovered in the area to the east of the former filling station (Building 5). These tanks include one 500 gallon, two 1,000 gallon, and one 4,000 gallon tanks. Petroleum odors, staining and elevated PID measurements were noted in the soil/fill immediately surrounding the USTs.
- Based on field and laboratory data, subsurface petroleum contamination of soil/fill and groundwater exists on the northeastern portion of the site in the vicinity of the USTs and former dispenser island associated with the former filling station. Concentrations of BTEX compounds were detected in soil/fill and groundwater at levels exceeding CP-51 SCGs and AWQS, respectively.
- Contaminants, including arsenic, lead and mercury, were detected in surface soil/fill samples at concentrations exceeding unrestricted use SCOs. The level of arsenic detected in surface soil/fill in one area north of Building 3 also exceeded the restricted residential, commercial and industrial use SCOs.
- Concentrations of arsenic, lead and mercury that exceeded unrestricted and restricted residential SCOs were also detected in subsurface soil/fill collected from multiple test pit locations across the site.
- Concentrations of multiple PAHs exceeded and/or equaled the unrestricted and restricted residential use SCOs in the subsurface soil/fill sample collected from Test Pit 5, located between Building 1 and Cattaraugus Creek.
- PCB aroclor-1254 was detected in the surface and subsurface soil/fill samples collected at Test Pit 9 at concentrations exceeding the unrestricted use SCO.
- Based on the results of this assessment, which documented the presence of soil and groundwater contamination on the Site at levels exceeding the applicable SCGs, it appears that the Site would be eligible for entry into the NYSDEC Brownfield Cleanup Program (BCP). A formal BCP eligibility determination, however, cannot be made without submittal of a complete BCP application to NYSDEC.

10.0 REMEDIAL CONSIDERATIONS

As a result of the discovery of four unregistered USTs on the northeastern portion of the Site and the presence of petroleum impacts in the area surrounding the tanks and related fuel system components, an active NYSDEC Spill file (#1908745) is currently associated with the Site. Consequently, it is anticipated that the NYSDEC will require the permanent closure/removal of the four USTs and remediation of petroleum contamination detected in the soil/fill and groundwater. The specific requirements for further investigation and/or remediation associated with this spill file cannot be ascertained without a Site-specific review of the results of this assessment by the NYSDEC. However, LaBella anticipates that the following general remedial actions will be necessary to achieve inactivation or closure of the spill file:

- Proper decommissioning and removal of the four USTs;
- Excavation and off-site disposal of soil/fill that is grossly impacted with petroleum; and
- In-situ treatment of petroleum-contaminated groundwater.

In addition to the above-listed “compulsory” actions, it is anticipated that redevelopment of the Site under the BCP will require the implementation of some combination of remedial actions, institutional controls and engineering controls that will render the Site suitable for re-use. The scope and extent of these actions and controls will be determined through the BCP process and ultimately will require approval by the NYSDEC and New York State Department of Health (NYSDOH). While it is not possible to forecast precisely what will be required by these state agencies at this time, LaBella has developed the following general response actions that can reasonably be expected to be supportive of re-use of the Site for restricted residential purposes. This end use was selected based upon the preference communicated by the stake holders, and serves as a conservative approach given that commercial use requirements are less intensive.

- Remedial investigation & alternatives analysis;
- Controlled demolition and disposal of existing building complex and debris;
- Limited excavation, removal and off-site disposal of contaminant “hot spots” in soil/fill;
- Placement of 2 feet of clean cover soil over a demarcation layer in areas of the Site that are not covered with impermeable surfaces (i.e., paved parking lots and roadways, concrete building slabs, etc.);
- Recording of an Environmental Easement on the Site;
- Implementation of a Site Management Plan; and
- Satisfy other BCP requirements (i.e., Remedial Construction Monitoring & Oversight, Final Engineering Report, etc.).

In order to support the redevelopment planning process, a Rough Order of Magnitude (ROM) estimate of the remedial costs for the theoretical remedial program outlined above has been generated by LaBella and is provided in Appendix 4. It should be noted that this ROM estimate is preliminary in nature and has an accuracy of +/- 50%. Actual costs will be a function of the specific scope of the remedial actions required by the NYSDEC and NYSDOH, which have yet to be defined, and may vary significantly from those estimated herein.

Report Reviewed By:



Robert Napieralski, CPG
Project Manager

Report Prepared By:



Heather Geoghegan
Geologist
ICHMM; Environmental Professional



FIGURES

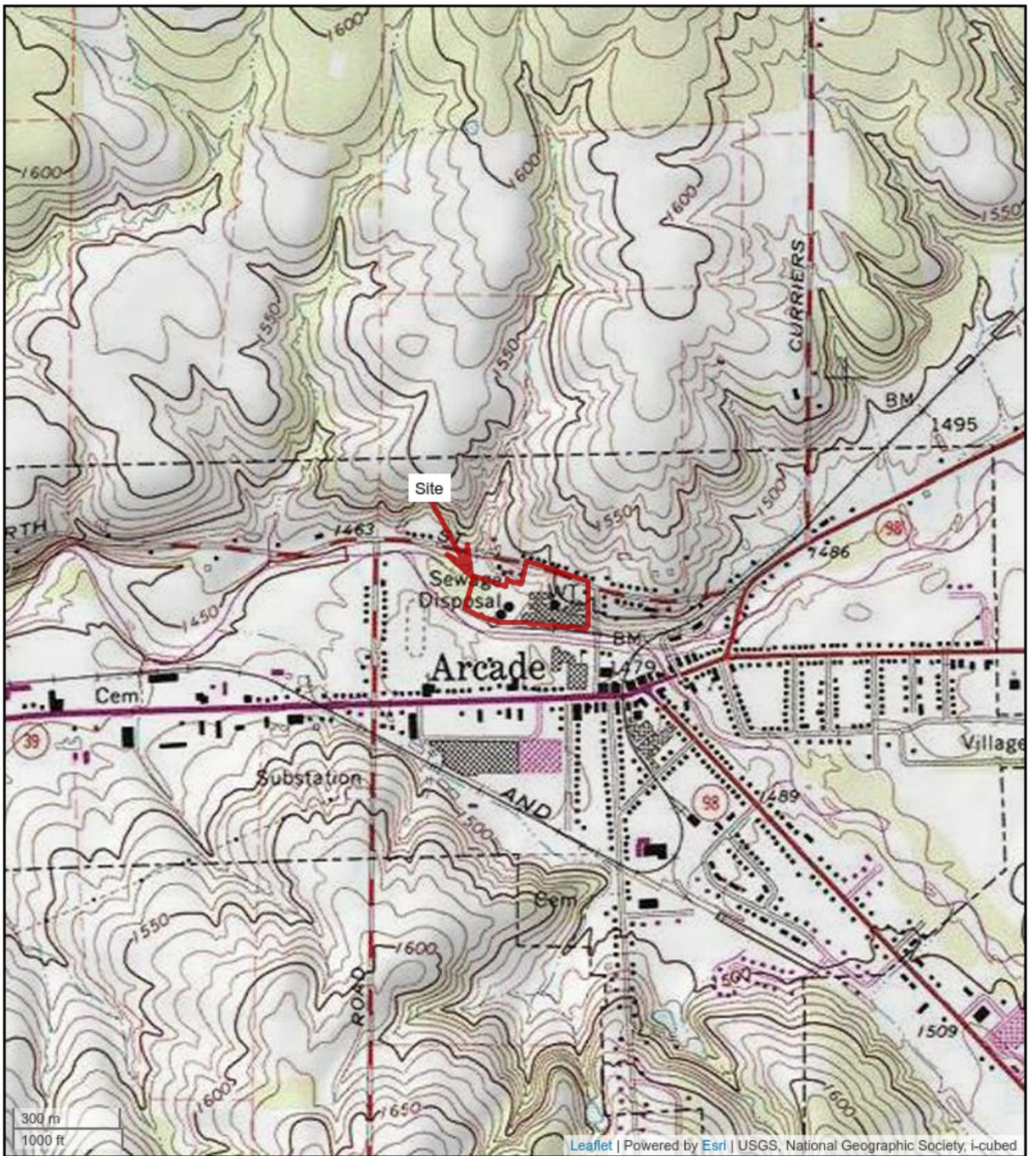
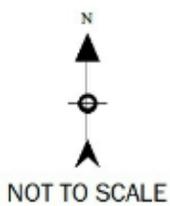


Figure 1 Site Location Map

58 Church Street
 Arcade, New York 14009
 Project No. 2193071





**Phase II Environmental
Site Assessment**
58 Church Street
Arcade, NY 14009

Legend

 Site Boundary
(Approximate)

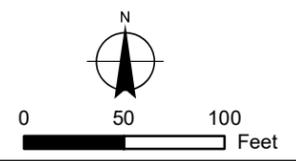
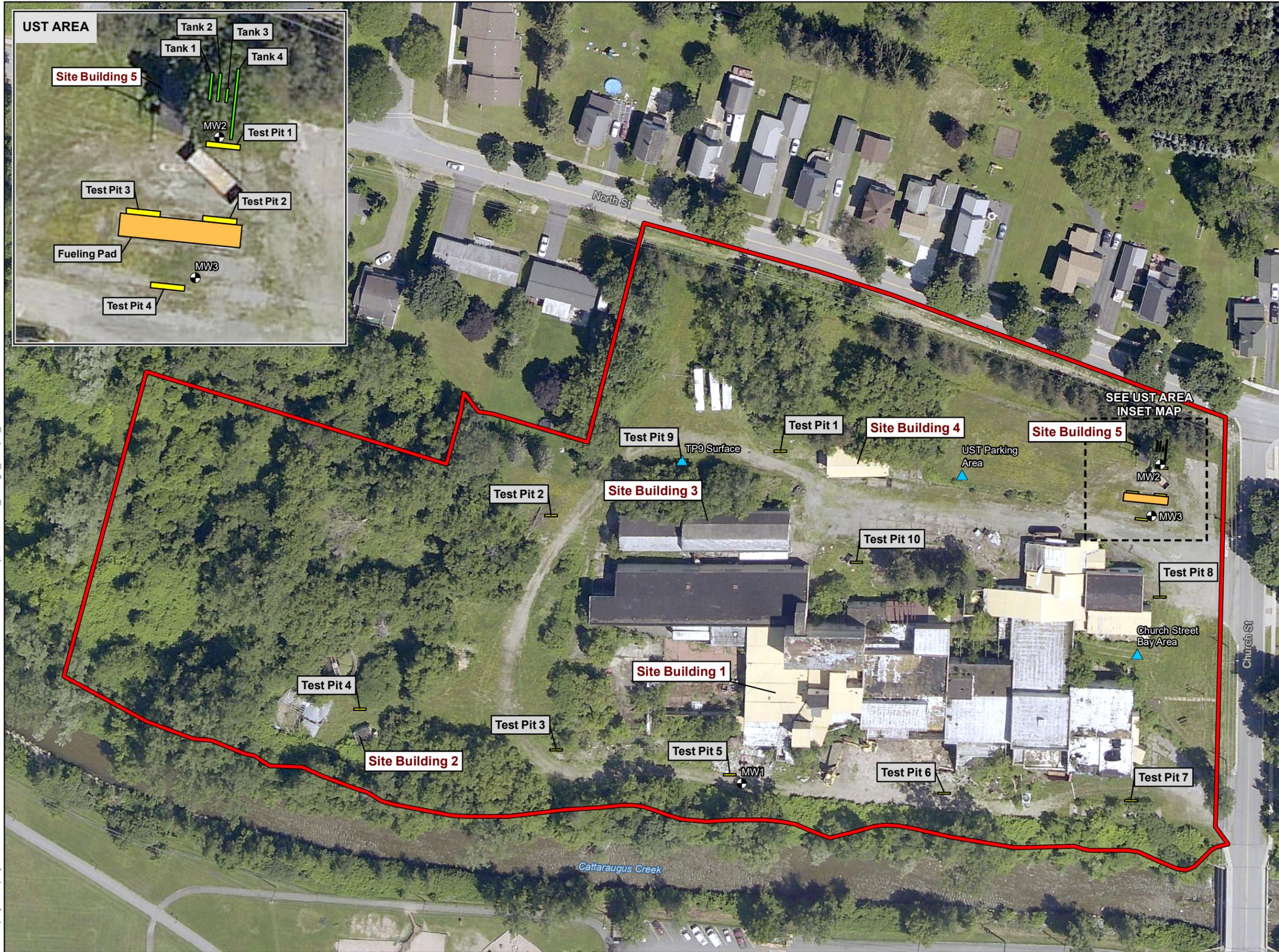


Figure 2
General Site Plan

LaBella Project No: 2193071
Date: 3/3/2020



Phase II Environmental Site Assessment
58 Church Street
Arcade, NY 14009

Legend

- Groundwater Monitoring Well
- Surface Grab Sample
- Fueling Pad
- Tank
- Test Pit
- Site Boundary (Approximate)

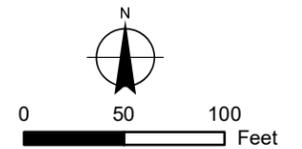


Figure 3
Sample Location Map

LaBella Project No: 2193071
Date: 3/3/2020



PROJECT #/DRAWING #/DATE:

[2193071]

[Figure 4]

3/3/2020

DRAWING NAME:

Underground Storage
Tank Location Map

PROJECT:

Phase II Environmental
Site Assessment

58 Church Street
Arcade, NY 14009



0 10 20
Feet

LaBella
Powered by partnership.



TABLES

**Phase II Environmental Site Assessment
Emkay Trading Site, 58 Church Street, Arcade, New York**

**Table 1
Summary of Surface Soil/Fill Analytical Results
(Detected Compounds Only)**

Sample Location	Test Pit 9	Church Str. Bay Area	UST Parking Area	Part 375 Soil Cleanup Objectives (SCOs)			
Sample ID	TP9 Surface	Church Str. Bay Area	UST Parking Area				
Depth	0-16"	0-6"	0-6"				
Date	12/5/2019	12/5/2019	12/5/2019	Unrestricted	Restricted Residential	Commercial	Industrial
8270D Semivolatile Organics (SVOCs) (µg/kg)							
Benzo[a]anthracene	590 J	ND	ND	1,000	1,000	5,600	11,000
Benzo[a]pyrene	460 J	ND	ND	1,000	1,000	1,000	1,100
Benzo[b]fluoranthene	660 J	520 J	ND	1,000	1,000	5,600	11,000
Benzo[g,h,i]perylene	490 J	330 J	ND	100,000	100,000	500,000	1,000,000
Benzo[k]fluoranthene	290 J	ND	ND	800	3,900	56,000	110,000
Carbazole	630 J	ND	ND	NL	NL	NL	NL
Fluoranthene	830 J	510 J	ND	100,000	100,000	500,000	1,000,000
Indeno[1,2,3-cd]pyrene	400 J	280 J	ND	500	500	5,600	11,000
Phenanthrene	310 J	ND	ND	100,000	100,000	500,000	1,000,000
Pyrene	670 J	490 J	ND	100,000	100,000	500,000	1,000,000
8082 PCBs (mg/kg)							
PCB-1254	0.96	ND	ND	0.1	1	1	25
6010C Metals (mg/kg)							
Arsenic	72.1	8.8	13.2	13	16	16	16
Barium	107	110	53.8	350	400	400	10,000
Cadmium	0.78	0.4	0.082 J	2.5	4.3	9.3	60
Chromium	17.3	14.5	9.6	*30	*180	*800	*6800
Lead	222	121	12.8	63	400	1,000	3,900
Method 7471B - Mercury (CVAA)							
Mercury	0.26	0.17	0.024	0.18	0.81	2.8	5.7

Soil Clean up Objectives were obtained for the NYSDEC Commissioner Policy, 51 (CP-51) Soil Cleanup Guidance, Protection of Ecological Resources or Protection of Groundwater

NYSDEC Part 375 Unrestricted, Restricted Residential, Commercial and Industrial Soil Cleanup Objectives (SCOs) (December 2006)

ND = Parameter 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

mg/kg = Micrograms per kilogram

* = Regulatory limit for Chromium, trivalent

Gray indicates sample exceeds Unrestricted SCOs

Bold indicates sample exceeds Restricted Residential SCOs

Italics indicates samples exceeds Commercial SCOs

Underlined indicates sample exceeds Industrial SCOs

Phase II Environmental Site Assessment
Emkay Trading Site, 58 Church Street, Arcade, New York

Table 2
Summary of Subsurface Soil/Fill Analytical Results for Underground Storage Tank Area
(Detected Compounds Only)

Sample Location	UST Test Pit 1	UST Test Pit 2	UST Test Pit 3	UST Test Pit 4	CP-51 SCG	Part 375 Soil Cleanup Objectives (SCOs)			
Sample ID	Sample 1UST	Sample 2UST	Sample 3UST	Sample 4UST		Unrestricted	Restricted Residential	Commercial	Industrial
Depth	2-3'	2-4'	2-4'	4-6'					
Date	12/4/2019	12/4/2019	12/4/2019	12/4/2019					
CP-51 Volatile Organic Compounds (VOCs) (µg/kg)									
1,2,4-Trimethylbenzene	2,200	**7,600	3,300	88 J	3,300	3,600	52,000	190,000	380,000
1,3,5-Trimethylbenzene	820	2,200	1,100	170	8,400	8,400	52,000	190,000	380,000
4-Isopropyltoluene	170 J	ND	170 J	90 J	NL	NL	NL	NL	NL
Benzene	ND	**1,400	ND	ND	60	60	4,800	44,000	89,000
Ethylbenzene	460	**3,400	340 J	140	1,000	1,000	41,000	390,000	780,000
Isopropylbenzene	190 J	540	150 J	84 J	2,300	NL	NL	NL	NL
Naphthalene	710	950	530	200	12,000	12,000	100,000	500,000	1,000,000
N-Propylbenzene	380	1,200	410	200	3,900	3,900	100,000	500,000	1,000,000
sec-Butylbenzene	110 J	150 J	140 J	88 J	11,000	11,000	100,000	500,000	1,000,000
Toluene	89	**9300	ND	ND	700	700	100,000	500,000	1,000,000
o-Xylene	560	6,100	480	15 J	NL	NL	NL	NL	NL
m-Xylene & p-Xylene	1,400	15,000	1,200	100 J	NL	NL	NL	NL	NL
Xylenes (mixed)	**2,000	**21,000	**1,700	120 J	260 (mixed)	260 (mixed)	100,000 (mixed)	500,000 (mixed)	1,000,000 (mixed)
CP-51 Semi Volatile Organic Compounds (SVOCs) (µg/kg)									
Benzo[a]anthracene	ND	ND	85 J	ND	1,000	1,000	1,000	5,600	11,000
Benzo[a]pyrene	ND	ND	76 J	ND	1,000	1,000	1,000	1,000	1,100
Benzo[b]fluoranthene	ND	ND	98 J	ND	1,000	1,000	1,000	5,600	11,000
Benzo[g,h,i]perylene	ND	20 J	57 J	140 J	100,000	100,000	100,000	500,000	1,000,000
Chrysene	ND	ND	92 J	ND	1,000	1,000	3,900	56,000	110,000
Fluoranthene	ND	27 J	130 J	250 J	1,000,000	100,000	100,000	500,000	1,000,000
Indeno[1,2,3-cd]pyrene	ND	ND	58 J	ND	500	500	500	5,600	11,000
Naphthalene	210	1,600	700	700 J	12,000	12,000	100,000	500,000	1,000,000
Pyrene	ND	24 J	110 J	190 J	100,000	100,000	100,000	500,000	1,000,000
Phenanthrene	ND	ND	50 J	ND	100,000	100,000	100,000	500,000	1,000,000
RCRA Metals (mg/kg)									
Arsenic	16	9.6	9	11.2	NL	13	16	16	16
Barium	81	54.2	92.1	89	NL	350	400	400	10,000
Cadium	ND	0.28	0.35	0.22 J	NL	2.5	4.3	9.3	60
Chromium	20	13.8	18.5	16	NL	*30	*180	*1,500	*6800
Lead	19.2	24.1	23.8	41.6	NL	63	400	1,000	3,900
Selenium	ND	ND	0.81 J	0.53 J	NL	3.9	180	1,500	6,800
Silver	ND	0.31 J	0.26 J	ND	NL	2	180	1,500	6,800
7471B-Mercury (CVAA)									
Mercury	ND	0.03	0.15	0.11	NL	0.18	0.81	2.8	5.7

Soil Clean up Objectives were obtained for the NYSDEC Commissioner Policy, 51 (CP-51) Soil Cleanup Guidance (SCG), Protection of Ecological Resources or Protection of Groundwater NYSDEC Part 375 Unrestricted, Restricted Residential, Commercial and Industrial Soil Cleanup Objectives (SCOs) (December 2006)

ND = Parameter 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

mg/kg = Micrograms per kilogram

* = Regulatory limit for Chromium, trivalent

** = Indicates sample exceeds CP-51 SCGs

Gray indicates sample exceeds Unrestricted SCOs

Bold indicates sample exceeds Restricted Residential SCOs

Italics indicates samples exceeds Commercial SCOs

Underlined indicates sample exceeds Industrial SCOs

Phase II Environmental Site Assessment
Emkay Trading Site, 58 Church Street, Arcade, New York
Table 3
Summary of Site-Wide Subsurface Soil/Fill Analytical Results
(Detected Compounds Only)

Sample Location	Test Pit 4	Test Pit 3	Test Pit 5	Test Pit 6	Test Pit 9	Test Pit 1	Part 375 Soil Cleanup Objectives (SCOs)			
Sample ID	TP#4, 1-2'	TP#3, 2-3'	TP#5, 1-2'	TP#6, 3-4'	TP#9, 3'	TP#1, 1-2'	Unrestricted	Restricted Residential	Commercial	Industrial
Depth	1-2'	2-3'	1-2'	3-4'	3'	1-2'				
Date	12/5/2019	12/5/2019	12/5/2019	12/5/2019	12/5/2019	12/5/2019				
8260C TCL List OLM04.2 Volatile Organic Compounds (VOCs) (µg/kg)										
2-Butanone (MEK)	ND	ND	2.0 J	1.4 J	5.3 J	ND	NL	NL	NL	NL
Chloroform	ND	0.26 J	ND	ND	ND	ND	370	49,000	350,000	700,000
Acetone	ND	ND	15	1.7 J	ND	1.8 J	50	100,000	500,000	1,000,000
Methylene Chloride	ND	ND	ND	0.95 J	ND	0.66 J	50	100,000	500,000	1,000,000
8270D Semivolatile Organics (SVOs) (µg/kg)										
Acenaphthylene	ND	170 J	ND	46 J	ND	63 J	100,000	100,000	500,000	1,000,000
Anthracene	ND	130 J	ND	99 J	ND	62 J	100,000	100,000	500,000	1,000,000
Benzo[a]anthracene	ND	580	1,200 F1 F2	420	ND	320	1,000	1,000	5,600	11,000
Benzo[a]pyrene	63 J	520	970 J F1 F2	460	ND	300	1,000	1,000	1,000	1,100
Benzo[b]fluoranthene	88 J	870	1,200 J F1 F2	510	ND	380	1,000	1,000	5,600	11,000
Benzo[g,h,i]perylene	66 J	410	600 J F2	310	230 J	210	100,000	100,000	500,000	1,000,000
Benzo[k]fluoranthene	39 J	350	500 J F2	240	ND	190 J	800	3,900	56,000	110,000
Carbazole	ND	27 J	ND	76 J	ND	25 J	NL	NL	NL	NL
Chrysene	76 J	690	1,100 F1 F2	470	ND	340	1,000	3,900	56,000	110,000
Dibenz[a,h]anthracene	ND	130 J	220 J F2	97 J	ND	82 J	330	330	560	1,100
Dibenzofuran	ND	31 J	ND	29 J	ND	ND	NL	NL	NL	NL
Fluoranthene	100 J	910	2,200 F1 F2	760	ND	530	100,000	100,000	500,000	1,000,000
Fluorene	ND	ND	ND	31 J	ND	190 J	30,000	100,000	500,000	1,000,000
Indeno[1,2,3-cd]pyrene	50 J	380	500 J F1 F2	290	ND	ND	500	500	5,600	11,000
2-Methylnaphthalene	ND	70 J	ND	48 J	ND	ND	NL	NL	NL	NL
Naphthalene	ND	ND	ND	30 J	ND	ND	12,000	100,000	500,000	1,000,000
Phenanthrene	44 J	200 J	770 J F1 F2	490	ND	200	100,000	100,000	500,000	1,000,000
Pyrene	100 J	880	2,000 F1 F2	720	ND	430	100,000	100,000	500,000	1,000,000
8082 PCBs (mg/kg)										
PCB-1254	ND	ND	ND	ND	0.21 J	ND	0.1	1	1	25
6010C Metals (mg/kg)										
Arsenic	8.1	35.8	19.2	9.9	73.8	8.4	13	16	16	16
Barium	39.5	69.5	109 F1 F2	50.7	115	72.8	350	400	400	10,000
Cadmium	0.088 J	ND	0.062 J	0.18 J	0.79	0.51	2.5	4.3	9.3	60
Chromium	7.3	10.2	12.3	12.7	16.4	10.9	*30	*180	*1,500	*6,800
Lead	16.4	50	2,340 F2	16	270	92.6	63	400	1,000	3,900
Selenium	ND	0.74 J	1.1 J	ND	0.82 J	ND	3.9	180	1,500	6,800
Method 7471B - Mercury (CVAA)										
Mercury	0.29	0.52	0.45	0.23	0.25	0.1	0.18	0.81	2.8	5.7

Soil Clean up Objectives were obtained for the NYSDEC Commissioner Policy, 51 (CP-51) Soil Cleanup Guidance, Protection of Ecological Resources or Protection of Groundwater

NYSDEC Part 375 Unrestricted, Restricted Residential, Commercial and Industrial Soil Cleanup Objectives (SCOs) (December 2006)

ND = Parameter 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

mg/kg = Micrograms per kilogram

* = Regulatory limit for Chromium, trivalent

Gray indicates sample exceeds Unrestricted SCOs

Bold indicates sample exceeds Restricted Residential SCOs

Italics indicates samples exceeds Commercial SCOs

Underlined indicates sample exceeds Industrial SCOs

F1 = MS and/or MSD Recovery is outside acceptance limits

F2 = MS/MSD RPD (Relative Percent Difference, a measure of the relative difference between tow points) exceeds control limits

**Phase II Environmental Site Assessment
Former Emkay Trading Site, 58 Church Street, Arcade, New York**

**Table 4
Summary of Groundwater Analytical Results
(Detected Compounds Only)**

Sample ID	MW-1	MW-2	MW-3	Trip Blank	NYSDEC TOGS
Sample Date	1/13/2020	1/13/2020	1/13/2020		
Volatile Organic Compounds (µg/L)					
Acetone	ND	11 J	ND	ND	50
Benzene	ND	ND	43	ND	1.0
Chloroform	ND	1.3 J	ND	ND	7.0
Cyclohexane	ND	ND	500	ND	NL
EthylBenzene	ND	ND	640	ND	5.0
Isopropylbenzene	ND	ND	100	ND	5.0
Methylcyclohexane	ND	ND	440	ND	NL
Methylene Chloride	ND	ND	29	ND	5.0
Toluene	ND	ND	13	ND	5.0
Xylenes, Total	ND	ND	210	ND	5.0
Semi-Volatile Organic Compounds (µg/L)					
2-Methylnaphthalene	ND	ND	67	ND	4.7
Caprolactam	26	21	17 J	ND	NL
Naphthalene	ND	ND	270	ND	10
Metals (mg/L)					
Arsenic	0.035	0.15	0.038	ND	0.025
Barium	2.3	1.1	0.56	ND	1.0
Cadmium	0.0035	0.00067 J	0.00052 J	ND	0.005
Chromium	0.049	0.14	0.023	ND	0.05
Lead	0.11	0.18	0.038	ND	0.025
Mercury	0.0014	0.00018 J	ND	ND	0.0007

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

Parameter concentrations exceeding NYSDEC TOGS are shaded

Concentrations shaded in gray exceed the Ambient Water Quality Standards (AWQS)

NL = Not listed

ND = Not detected

NA = Not analyzed

µg/L = Micrograms per liter

mg/L = Milligrams per liter

J = Indicates an estimated value.



APPENDIX 1

Field Logs



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA
Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT: 1
Sheet of
JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC
OPREATOR: Kevin
LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/5/19 END DATE: 12/5/2019

TIME: to
DATUM:

TYPE OF Equipment: Excavator

Table with columns: DEPTH (Feet), SAMPLE (PID FIELD SCREEN, STRATA CHANGE), VISUAL CLASSIFICATION. Contains handwritten entries for depths 0-2', 2-4', 4-6', 6-8', 8-10' and a note: 'Ground water was not encountered'.

GROUNDWATER ENCOUNTERED

NOTES:

Table with columns: DATE, DEPTH, WELL INSTALLED, WELL ID

Test Pit: 1



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA

Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT:

4

Sheet of
JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC

OPREATOR: Kevin

LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/5/19 END DATE: 12/5/2019

TIME: to

DATUM:

TYPE OF Equipment: Excavator

Table with columns: DEPTH (Feet), SAMPLE (PID FIELD SCREEN, STRATA CHANGE), VISUAL CLASSIFICATION. Contains handwritten notes on soil types like 'light Brown to Brown sandy, well rounded to subrounded pea gravel' and 'Brown sandy silt (SP) Abundance of well rounded to sub rounded gravel'.

GROUNDWATER ENCOUNTERED

NOTES:

Table with columns: DATE, DEPTH, WELL INSTALLED, WELL ID

4



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA

Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT: 6

Sheet of
JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC
OPERATOR: Kevin
LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/5/19 END DATE: 12/5/2019

TIME: to
DATUM:

TYPE OF Equipment: Excavator

DEPTH (Feet)	SAMPLE		VISUAL CLASSIFICATION
	PID FIELD SCREEN (Parts per million)	STRATA CHANGE	
0-2	0		Building debris. - Brick, wood & cinder blocks, a fire hose clay piping. Brown sandy silt. (SP) some well rounded to rounded gravel
2-4	0		Building debris: Brick, cinder block and piping/hoses. Brown sandy-silt (SP) with trace weathered coal. Some well rounded to subrounded gravel: Alluvial deposits.
4-6	0		Coal; 1-2" pieces of coal along with some mechanically crushed coal.
6-8	0		Brown with trace black (coal) silty sand (SP) with Abundance of well rounded to sub rounded gravel. - Alluvial deposits.
8-10	0		Brown silty sand (SP) with abundance of well rounded to subrounded gravel. - Alluvial deposits
			* No Groundwater encountered.

GROUNDWATER ENCOUNTERED

NOTES:

DATE	DEPTH	WELL INSTALLED	WELL ID

BORING: 6



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA

Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT: 7

Sheet of
JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC

OPREATOR: Kevin

LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/5/19 END DATE: 12/5/2019

TIME: to

DATUM:

TYPE OF Equipment: Excavator

DEPTH (Feet)	SAMPLE		VISUAL CLASSIFICATION
	PID FIELD SCREEN (Parts per million)	STRATA CHANGE	
0-2'	0.0		Location - where tractor trailer scale was located Dark brown to Brown, silty sand (SM), trace well rounded to subrounded gravel. size: Crush Run #2
2-4'	0.0		Dark brown to Brown, silty sand (SM) some well rounded to subrounded gravel: Crush Run #2. * Clay drainage pipe noted @ 2' below ground surface. pipe pointed southeast - coming from South East corner of main property Building.
2-4'	0.0		Brown silty sand (SM) some well rounded to subrounded gravel - Alluvial deposits.
4-6	0.0.		Brown silty sand (SM) - some well rounded to sub rounded gravel - Alluvial deposits.
6-8	0.0		- Same as 4-6 with exception to increase in size for Alluvial deposits as test pit depth increased.
8-10			- Again same: Brown silty sand (SM), Abundant rounded to subrounded gravel (Alluvial deposits with Alluvial gravel increasing in size with test pit depth - Also glacial outwash Present).
			* Groundwater was not encountered.

GROUNDWATER ENCOUNTERED

NOTES:

DATE	DEPTH	WELL INSTALLED	WELL ID

BORING: 7



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA
Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT: 10

Sheet of
JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC
OPREATOR: Kevin
LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/5/19 END DATE: 12/5/2019

TIME: to
DATUM:

TYPE OF Equipment: Excavator

DEPTH (Feet)	SAMPLE		VISUAL CLASSIFICATION
	PID FIELD SCREEN (Parts per million)	STRATA CHANGE	
0-2'	○		Dark Brown silty sand (SP) with well rounded gravel.
2-4'	○		2 1/2-3': Black : COAL 3-4': Black to dark brown. some coal; Silty silt (SP) with some well rounded to rounded gravel. (Alluvial deposits)
4-6'	○		Dark Brown to Brown sandy silt (SP) with some well rounded to subrounded gravel (Alluvial deposits w/some glacial outwash)
6-8'	○		Dark Brown to Brown sandy silty (SP) with some well rounded to subrounded gravel. (Alluvial deposits w/ some glacial outwash)
8-10'	○		Same AS Above. - Alluvial deposits & glacial outwash increased in size with test pit depth * No Groundwater was encountered.

GROUNDWATER ENCOUNTERED

NOTES:

DATE	DEPTH	WELL INSTALLED	WELL ID

BORING: 10



300 Pearl Street, Suite 130

TEST PIT LOG
 Phase II ESA
 Emkay Trading; WCBC North LLC
 58 Church Street, Arcade, New York 14009

TEST PIT:
 UST AREA
 Sheet of
 JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC
 OPREATOR: Kevin
 LABELLA REPRESENTITIVE: H.Geoghegan

START DATE: 12/4/19 END DATE: 12/4/2019

TIME: to
 DATUM:

TYPE OF Equipment: Excavator

DEPTH (Feet)	SAMPLE		VISUAL CLASSIFICATION
	PID FIELD SCREEN (Parts per million)	STRATA CHANGE	
0-2	6000		Underground Storage Tank Test Pits Dark Brown to gray, silty sand (SP), trace well rounded to subround gravel. Slight odor present
2-4	1,300		Transition from dark brown to mottled gray silty sand. Soils very moist. Strong odor, soil transitioned in texture, very moist "goey" but no clay. this soil was black with a luminescent sheen to it. Photos taken; this zone was from approximately 3 1/2 - 4 1/2'.
4-6	6000		Black luminescent sheen silty sand (SP) till 4 1/2' below ground surface. Black to dark gray, brown silty sand (SP) with some well rounded to subrounded gravel (Alluvial deposits and glacial outwash), moist; odor present
6-8	6000		Dark Brown to Brown. No sheen. silty sand (SP). Abundance of well rounded to subrounded gravel (Alluvial deposits & glacial outwash) moist; odor present.
8-10'	300		Same as above except Alluvial deposits became larger in size as the test pit depth increased.
10-12'	310		* Do to weather conditions and mottling of soil ground water elevation with test pit excavation was not determined.

GROUNDWATER ENCOUNTERED

NOTES:

DATE	DEPTH	WELL INSTALLED	WELL ID

BORING:



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA

Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT: ' 2

UST AREA
Sheet of
JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC

OPREATOR: Kevin

LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/4/19 END DATE: 12/4/2019

TIME: to
DATUM:

TYPE OF Equipment: Excavator

Table with columns: DEPTH (Feet), SAMPLE (PID FIELD SCREEN, STRATA CHANGE), VISUAL CLASSIFICATION. Contains handwritten entries for depths 0-2', 2-4', 4-6', 6-8', 8-10', and 10-12' with detailed soil descriptions.

Table with columns: DATE, DEPTH, WELL INSTALLED, WELL ID. Header: GROUNDWATER ENCOUNTERED.

NOTES: * Ground water WAS NOT ENCOUNTERED
BORING: 2



LaBella

Powered by QuattroSMD

300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA

Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT:

3

VST AREA

Sheet of

JOB: 2193071

CONTRACTOR: LaBella Enviro. LLC

OPREATOR: Kevin

LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/4/19 END DATE: 12/4/2019

TIME: to

DATUM:

TYPE OF Equipment: Excavator

DEPTH (Feet)	SAMPLE		VISUAL CLASSIFICATION
	PID FIELD SCREEN (Parts per million)	STRATA CHANGE	
0-2	180		Underground Storage Tank Test Pits: West side of former Dispensary Pad. Dark Brown to black sandy silt (SP), some well rounded to subrounded gravel. (Alluvial deposits). Trace odor.
2-4	285		Dark Brown to Black sandy silt (SP) some well rounded to subrounded gravel. (Alluvial deposits). Trace clay, Trace odor. moist.
4-6	300		Dark Brown sandy silt (SP), some well rounded to sub-rounded gravel. (Alluvial deposits) trace clay, trace odor. Moist.
6-8	200		Dark Brown sandy silt (SP), some well rounded to sub-rounded gravel (Alluvial deposits) trace odor, slightly moist. Alluvial deposits increasing in size with depth of test pits.
8-10	200		Same as Above.
			* Groundwater was not encountered

GROUNDWATER ENCOUNTERED

NOTES:

DATE	DEPTH	WELL INSTALLED	WELL ID

BORING: 3



300 Pearl Street, Suite 130

TEST PIT LOG

Phase II ESA

Emkay Trading; WCBC North LLC
58 Church Street, Arcade, New York 14009

TEST PIT:

VST area

Sheet of

JOB: 2193071

4

CONTRACTOR: LaBella Enviro. LLC

OPREATOR: Kevin

LABELLA REPRESENTATIVE: H.Geoghegan

START DATE: 12/1/19 END DATE: 12/4/2019

TIME: to

DATUM:

TYPE OF Equipment: Excavator

Table with columns: DEPTH (Feet), SAMPLE (PID FIELD SCREEN, STRATA CHANGE), VISUAL CLASSIFICATION. Contains handwritten entries for depths 0-2, 2-4, 4-6, 6-8, 8-10, and 10-12 feet, describing soil types and findings like a telephone pole.

GROUNDWATER ENCOUNTERED

NOTES:

Table with columns: DATE, DEPTH, WELL INSTALLED, WELL ID

BORING: 4



300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANT

Former Emkay trading Site, 58 Church Street, Arcade, New York
Phase I/II Environmental Site Assessment

BORING: MW-1
SHEET 1 OF 1
JOB: 2193071
CHKD BY:

CONTRACTOR: LaBella LLC	BORING LOCATION: MW 1	TIME: 800 TO 1050
DRILLER: Neal Short	GROUND SURFACE ELEVATION NA	DATUM: 1/7/2020
LABELLA REPRESENTATIVE: HEG	START DATE: 1/7/2020	END DATE: 01/07/2020

TYPE OF EQUIPMENT:	DRIVE SAMPLER TYPE: Split Spoon
AUGER SIZE AND TYPE: 4 IN	INSIDE DIAMETER:
OVERBURDEN SAMPLING METHOD: Split Spoon	OTHER:

DEPTH	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	NOTES
	BLOW COUNT	SAMPLE RECOVERY	STRATA CHANGE			
2	5 13 14 14	18"		Dark Brown; silty sand (GM); transition to gray Silt; Siltstone in tip of split spoon; Native Soil (Alluvial Deposits); Moist	0	
4	6 8 8 7	4"		Light gray to gray; Silt with trace Sand (GM), and Siltstone in tip split spoon; Native Soil (Alluvial Deposits); Moist	0	
6	6 12 5 11	6"		Dark brown to black; 90% fine Sand with 10% Silt (GM). Trace pebble size well rounded Siltstone throughout Native Soil (Alluvial Deposits); Moist	0	
8	10 17 13 11	12"		Dark brown to light brown; 50% fine well round to subangular Sand 50% Silt, (GM); trace fragmented Siltstone in tip of split spoon Native Soil (Alluvial Deposits); Moist	0	
10	5 10 13 13	8"		Gray with a transition to light brown; 50 % fine Sand and 50% Silt (GM); fragemented Chert in auger tip. Alluvial Deposits; Wet	0	Surface Water
12	9 9 9 8	11.5"		11-11.2" slough 11.2-11.11" Dark Brown to dark gray; fine Sand and with some Silt (GM); Alluvial Deposits; Wet	0	
14	8 9 5 5	14.5"		Dark Brown; fine Sand, trace silt (GM); Silstone in tip of split spoon Alluvial Deposits; Moist		
16	5 4 3 4	2.5"		Dark Gray; fne to medium Sand; Moist; Alluvial Deposits	0	
18	3 4 7 8	3"		Sand with well round siltstone; trace glacial deposits; Alluvial; Moist		Ground Water At 15' bgs
20	12 7 18 20	8"		Brown fine to medium size Sand; Alluvial Deposits; Moist	0	
22	7 8 10 12	14"		Brown fine to medium size Sand; Alluvial Deposits; Moist	0	

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			21'	22'	~15'	NA = Not Applicable ND = Non Detect

GENERAL NOTES

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

BORING: MW-1



300 PEARL STREET, BUFFALO, NY

ENVIRONMENTAL ENGINEERING CONSULTANTS

Former Emkay trading Site, 58 Church Street, Arcade, New York
Phase III Environmental Site Assessment

BORING: MW-2

SHEET 1 OF 1

JOB: 2193071

CHKD BY:

CONTRACTOR: LaBella LLC	BORING LOCATION: Monitorig Well 2	TIME: 1206 TO 1400
DRILLER: Neal Short	GROUND SURFACE ELEVATION: NA	DATUM:
LABELLA REPRESENTATIVE: HEG	START DATE: 1/7/2020	END DATE: 01/07/2020

TYPE OF EQUIPMENT:	DRIVE SAMPLER TYPE:
AUGER SIZE AND TYPE: 4 IN	INSIDE DIAMETER:
OVERBURDEN SAMPLING METHOD: Split Spoon	OTHER:

DEPTH	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	NOTES
	BLOW COUNT	SAMPLE RECOVERY	STRATA CHANGE			
2	10 7 6 4	17"		Black to very Dark Gray, Sand with trace Silt (GM); Moist Surface Soil	0	
4	4 4 4 5	4.5"		Black, trace Dark Brown, Silt with trace fine Sand (GM). Surface Water; Wet	0	
6	3 3 5 5	14"		5.0-5.2': Slough; 5.2-6': Grayish Brown silty Clay (OL); Moist		
8	9 9 11 10	21"		7-7.2' : Slough 7.2- 8.9' : Grayish Brown Silt with Clay (OH); trace well rounded Moist	0	
10	2 3 5 6	19"		Grayish Brown Clay with Silt (OH); trace fine Sand; Moist	0	
12	7 7 8 8	24"		10-10.5' Grayish Brown Silty Clay (OH) 10.5-11.5': Brown to light Brown, Silt, trace Clay; Moist 11.5-12.0" : Light Brown Silt, increased moisture	0	Clay Seam eneded @ ~ 10.5' bgs
14	7 12 13 13	24"		Brown with olive tone; Silt; Moist	0	
16	4 11 12 13	7"		Brown, Sand and Pebbles (Alluvial Deposits) Wet		Ground Water @ ~ 15' bgs
18	11 11 22 30	17"		Light Brown transiton to Gray Silt (90%) with some Clay (10%) Well rounded to subrounded pebbles; Alluvial Deposits		
20	6 9 16 19	9"		Light Brown to Gray, Clay (90%) with some Silt (10%); some Pebbles; Aluvial Deposits; Moist	0	
22	6 8 13 17	12.5"		Light Brown to Gray, Clay (90%) with some Silt (10%); some Pebbles; Aluvial Deposits; Moist	0	

DEPTH (FT)

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			
			21'	22'	~15'

NOTES:

NA = Not Applicable
ND = Non Detect

GENERAL NOTES

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

BORING: MW-2



300 PEARL STREET, BUFFALO, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

Former Emkay trading Site, 58 Church Street, Arcade, New York
Phase I/II Environmental Site Assessment

BORING: MW-3
SHEET 1 OF 1
JOB: 2193071
CHKD BY:

CONTRACTOR: LaBella LLC
DRILLER: Neal Short
LABELLA REPRESENTATIVE: HEG

BORING LOCATION: MW 3
GROUND SURFACE ELEVATION
START DATE: 1/8/2020
Monitoring Well 3
END DATE: 01/08/2020

TIME: TO
DATUM:

TYPE OF EQUIPMENT:
AUGER SIZE AND TYPE: 4 IN
OVERBURDEN SAMPLING METHOD:

DRIVE SAMPLER TYPE:
INSIDE DIAMETER:
OTHER:

DEPTH	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	NOTES
	BLOW COUNT	SAMPLE RECOVERY	STRATA CHANGE			
2	6 6 5 5	14"		Black to very Dark Gray, Silt with fine Sand (SM); trace clay, Moist Surface Soil; no apparent fill material	0	
4	5 6 6 7	18"		Black to very Dark Gray, Silt with fine Sand (SM); trace clay, Moist		
6	1 3 2 3	12"		Dark Brown with some Black - Dark Gray; Silt with fine Sand (SM); trace clay, Moist	89	Noticable Odor
8	5 7 7 8	24"		Dark Brown with some Black - Dark Gray; Silt with fine Sand (SM); trace clay, Moist	39	Very strong odor
10	1 3 4 3	12"		Dark Brown to Black Silt with very fine Sand (SM); Moist	350	Staining apparent and mottled soil
12	1 7 7 7	6"		Dark Brown to Black Silt with very fine Sand (SM); Moist	15.8	
14	6 8 9 10	20"		Dark Gray Silt with very fine Sand (SM); Moist	50	Stong odor
16	6 8 10 12	24"		Dark Brown with Gray and Black very fine Sand; Wet	0	Ground Water ~ 15' bgs
18	6 8 10 12	24"		Dark Brown with Gray and Black very fine to fine Sand; Wet	0	
20	2 2 3 4	24"		Dark Brown with Gray and Black very fine to fine Sand; Moist	0	
22	2 13 16 19	21"		Dark Brown with Gray and Black fine to medium Sand; Moist	0	

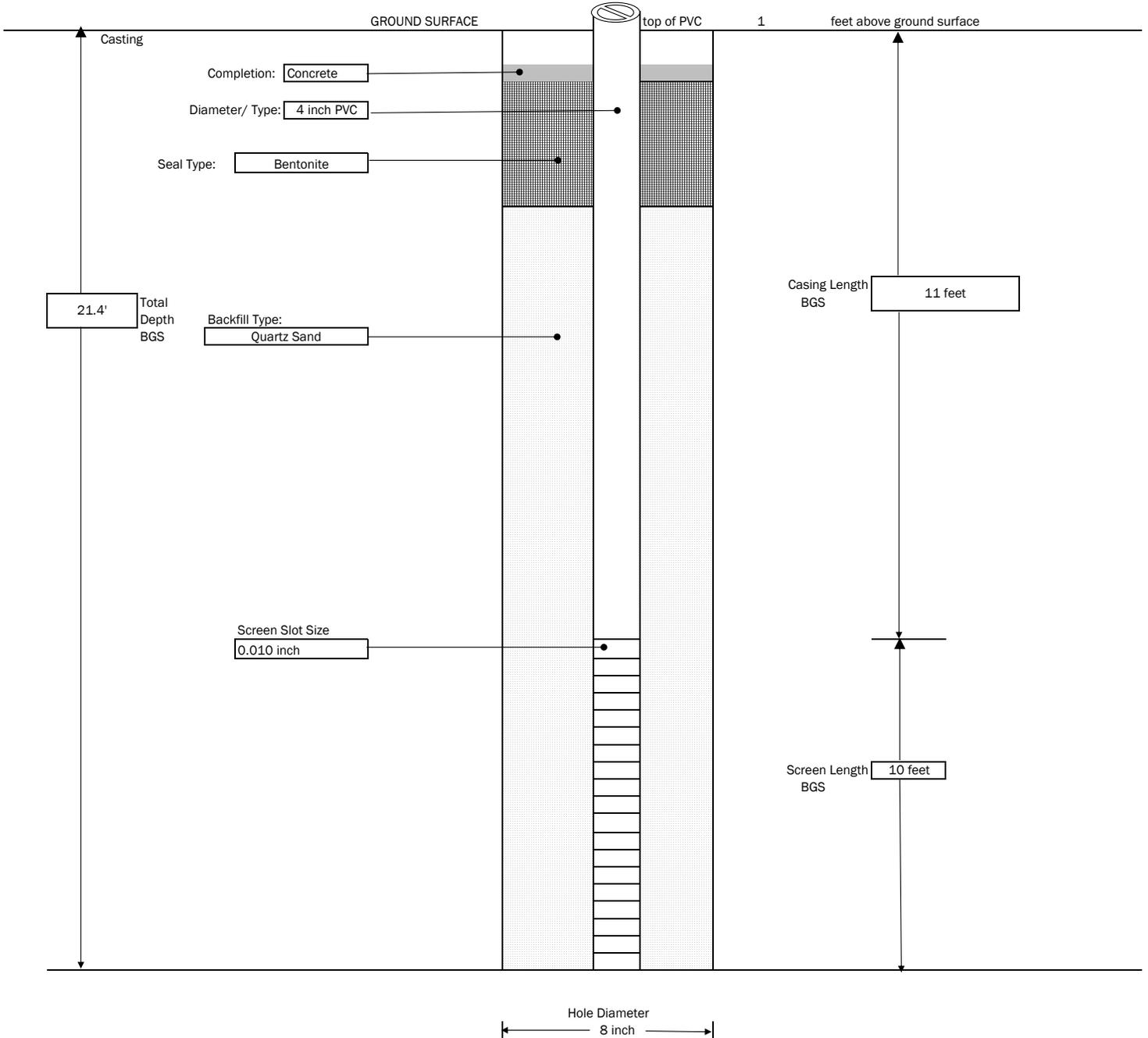
WATER LEVEL DATA			DEPTH (FT)			NOTES: NA = Not Applicable ND = Non Detect
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
1/8/2020			20	22	-15	

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 OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

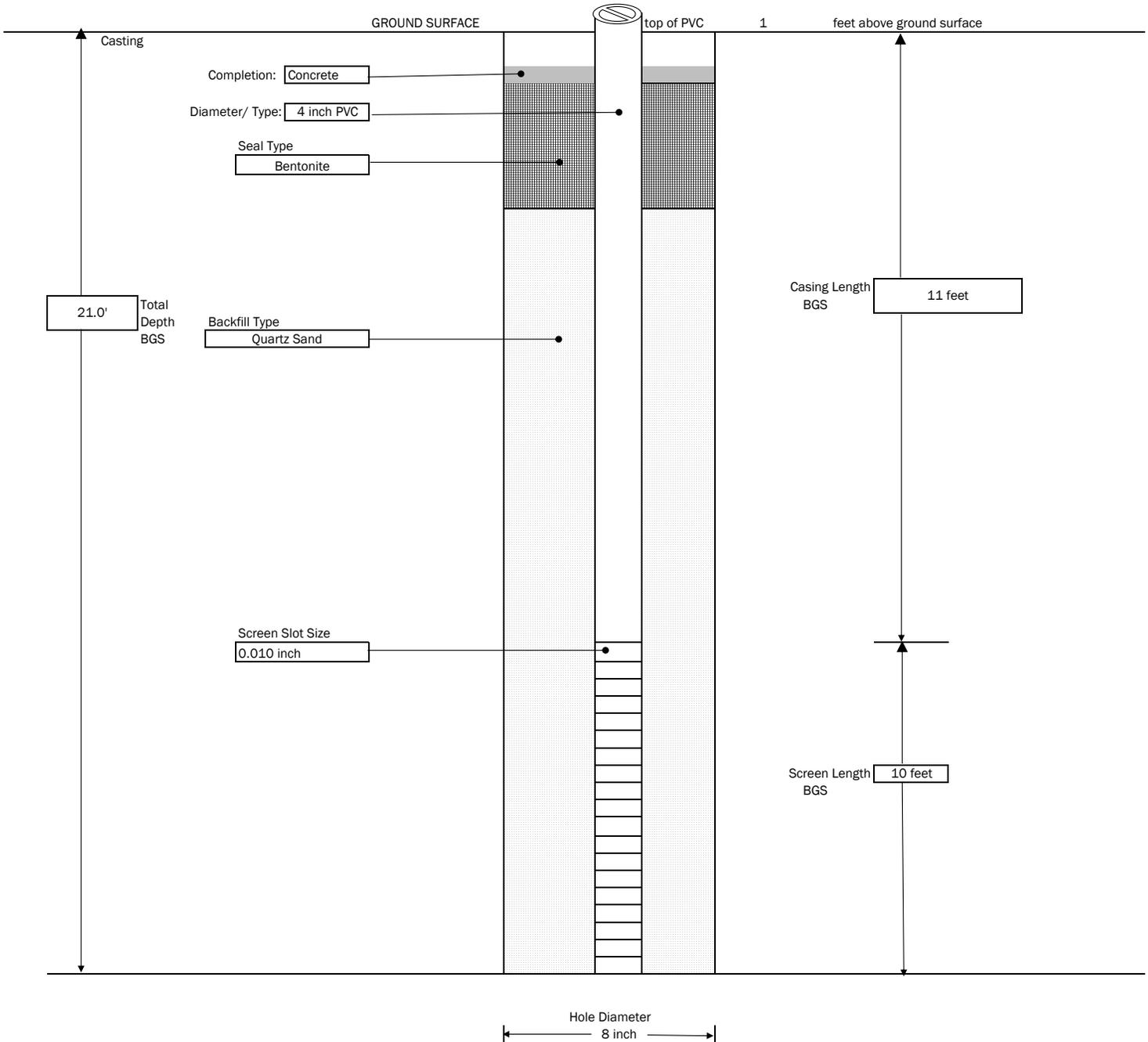
BORING: MW-3

 300 PEARL STREET, BUFFALO, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 58 Church Street Arcade, New York		MONITORING WELL : MW-1
	CONTRACTOR: LaBella Associates LLC DRILLER: Neal Short LABELLA REPRESENTATIVE: H. Geoghegan	BORING LOCATION: MW 1 GROUND SURFACE ELEVATION: NA START DATE: 1/07/2020	DATUM: NA END DATE: 01/07/2020



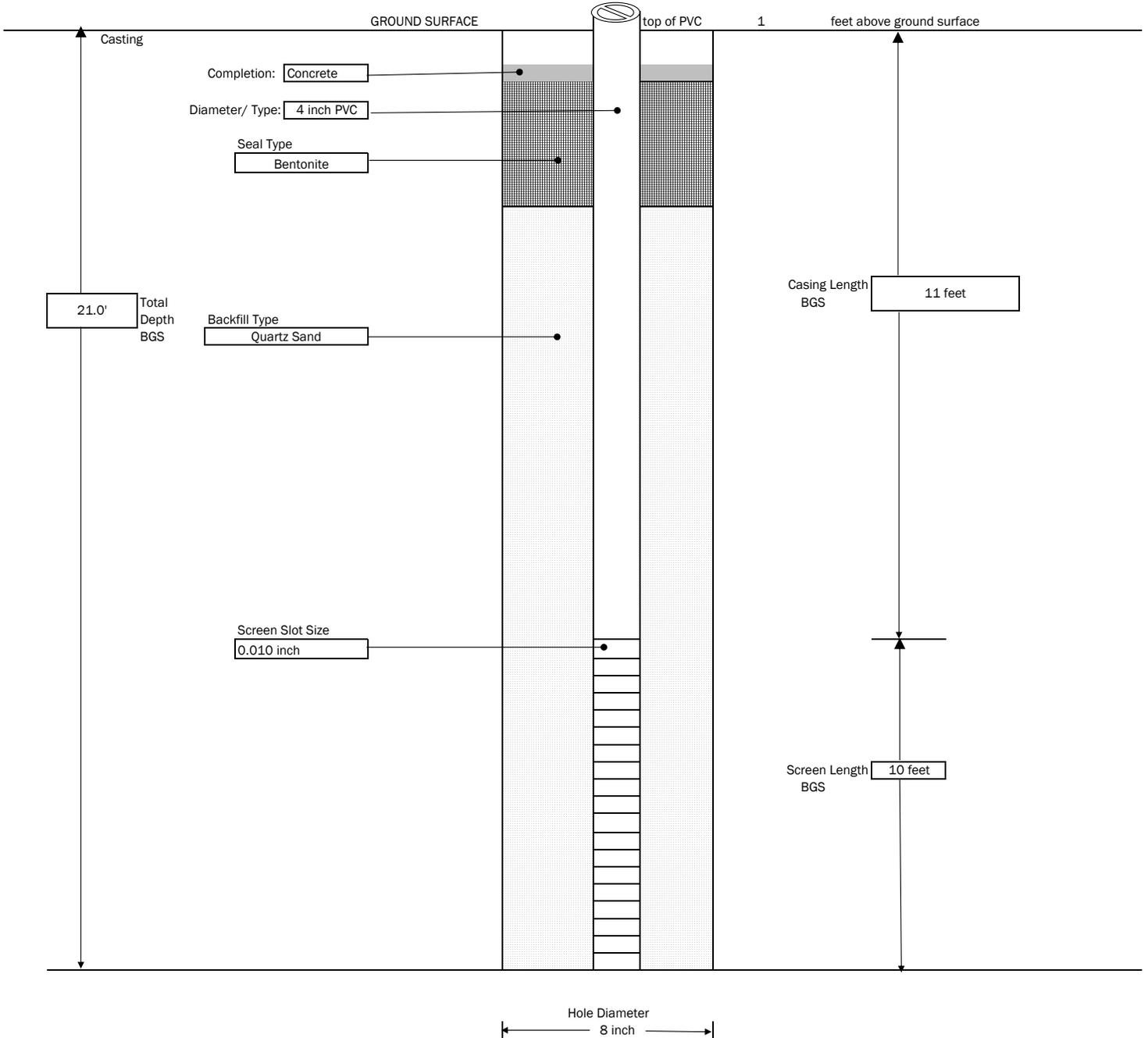
- GENERAL NOTES:**
- 1) NOT TO SCALE
 - 2) DEPTHS ARE APPROXIMATE
 - 3) BGS = below ground surface
 - 4) NA = not applicable

 300 PEARL STREET, BUFFALO, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 58 Church Street Arcade, New York		MONITORING WELL : MW-2
	CONTRACTOR: LaBella Associates LLC DRILLER: Neal Short LABELLA REPRESENTATIVE: H. Geoghegan	BORING LOCATION: MW 2 GROUND SURFACE ELEVATION: NA START DATE: 1/07/2020	DATUM: NA END DATE: 01/07/2020



- GENERAL NOTES:
- 1) NOT TO SCALE
 - 2) DEPTHS ARE APPROXIMATE
 - 3) BGS = below ground surface
 - 4) NA = not applicable

 300 PEARL STREET, BUFFALO, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT 58 Church Street Arcade, New York		MONITORING WELL : MW-3
	CONTRACTOR: LaBella Associates LLC DRILLER: Neal Short LABELLA REPRESENTATIVE: H. Geoghegan	BORING LOCATION: MW 3 GROUND SURFACE ELEVATION: NA START DATE: 1/07/2020	DATUM: NA END DATE: 01/07/2020



- GENERAL NOTES:**
- 1) NOT TO SCALE
 - 2) DEPTHS ARE APPROXIMATE
 - 3) BGS = below ground surface
 - 4) NA = not applicable

LABELLA ASSOCIATES, D.P.C.
Environmental Engineering Consultants

Well I.D. MW1

Site Location: Enkay Trading 58 Church Street, Arcade NY

Job No.

Sample Date: 1/13/2020

2193071

LaBella Representative: H. Geoghegan

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Post Sample	Details
Time	0930	0935	0940	0950	0950		
Depth of well	21.00						
Depth to water	15.38'						
Well diameter	2"						
Well volume (gallons)	5.62						
Purging device	Bailer						
Containment device	NA						
Purge time							
Gallons purged	0.89	0.89	0.89	0.89			
Sample device	Bailer						

Field Parameters

Temperature							
pH measurement							
Conductivity (mS/cm)							
ORP/Eh (mV)							
Turbidity (NTUs)							

WEATHER:

NOTES/FIELD OBSERVATIONS:

Removed 5 well Volumes. Well went dry while sampling.
 Well clarity did not improve. Very Very Fine Silt.

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth To Water) X Well Capacity
 (only if applicable) = (ft. -ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): 0.75"=0.02 1"=0.04 1.5"=0.092 2"=0.16 3"=0.37
 4"=0.65 5"=1.02 6"=1.47 12"=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; Temperature: ± 0.5°C; Specific Conductance: ± 10%; Turbidity: ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.

Environmental Engineering Consultants

Well I.D. MW 2

Site Location: Emkey Trading 58 Church Street; Arcade, NY

Job No. ---

Sample Date: 1/13/2020

2193071

LaBella Representative: H. Geoghegan

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Post Sample	Details
Time	1115	1115	1133	1150	1230		
Depth of well	21.65'						
Depth to water	16.9'						
Well diameter	2.0"						
Well volume (gallons)	2.366						
Purging device	Bailer						
Containment device	NA						
Purge time							
Gallons purged	7.08						
Sample device	Bailer						

Field Parameters

Temperature							
pH measurement							
Conductivity (mS/cm)							
ORP/Eh (mV)							
Turbidity (NTUs)							

WEATHER:

NOTES/FIELD OBSERVATIONS:

Well had a great deal of silt @ bottom. Removed 5 well volumes in an attempt to remove sediment. Sample still slightly turbid.

Well Volume Purge: 1 Well Volume = (Total Well Depth - Static Depth To Water) X Well Capacity
(only if applicable) = (ft. -ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): 0.75"=0.02 1"=0.04 1.5"=0.092 2"=0.16 3"=0.37
4"=0.65 5"=1.02 6"=1.47 12"=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; Temperature: ± 0.5°C; Specific Conductance: ± 10%; Turbidity: ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.

LABELLA ASSOCIATES, D.P.C.

Environmental Engineering Consultants

Well I.D. MW3

Site Location: Emkey Trading 58 Church Str. Arcade, NY

Job No.

Sample Date: 1/31/2020

219 3071

LaBella Representative: H. Geoghegan

Well I.D.	Initial Readings	1 Well Volume	2 Well Volumes	3 Well Volume	Sample	Post Sample	Details
Time	12:11	12:11	12:18	12:25	12:30		
Depth of well	21.52						
Depth to water	8.07						
Well diameter	2"						
Well volume (gallons)	2.050						
Purging device	Bailer						
Containment device	NA						
Purge time							
Gallons purged	2.050						
Sample device	Bailer						

Field Parameters

Temperature							
pH measurement							
Conductivity (mS/cm)							
ORP/Eh (mV)							
Turbidity (NTUs)							

WEATHER:

NOTES/FIELD OBSERVATIONS:

Noticeable odor when well cap removed. Very strong. No visible product. Removed 3 well volumes. Water clarity still slightly turbid.

Well Volume Purge: 1 Well Volume = (Total Well Depth – Static Depth To Water) X Well Capacity
 (only if applicable) = (ft. –ft.) X . gal/ft = 0.3056 gallons

Well Capacity (Gallons per Foot): 0.75"=0.02 1"=0.04 1.5"=0.092 2"=0.16 3"=0.37
 4"=0.65 5"=1.02 6"=1.47 12"=5.88

1. Stabilization Criteria for range of variation of last three consecutive Readings

pH: ± 0.2 units; Temperature: ± 0.5°C; Specific Conductance: ± 10%; Turbidity: ≤ 50 NTU

A minimum of three well volumes and a maximum of five well volumes are to be removed from each well prior to sampling. In the event that groundwater recharge is slow, the purging process will continue until the well is purged "dry". After the water level has returned to its pre-purge level (or within a maximum of two hours), samples will be collected. If the water level is slow to recharge and does not reach its pre-purge level within two hours, then samples can be collected after sufficient water has recharged, and the degree of recharge indicated in field notes with time and depth to water noted.



APPENDIX 2

Laboratory Analytical Reports

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-163813-1
Client Project/Site: Church Street Project

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Mr. Robert Napieralski



Authorized for release by:
12/17/2019 5:21:35 PM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for
Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	6
Client Sample Results	12
Surrogate Summary	44
QC Sample Results	46
QC Association Summary	64
Lab Chronicle	69
Certification Summary	76
Method Summary	77
Sample Summary	78
Chain of Custody	79
Receipt Checklists	81

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi 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.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control 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.
α	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: Church Street Project

Job ID: 480-163813-1

Job ID: 480-163813-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-163813-1

Comments

No additional comments.

Receipt

The samples were received on 12/6/2019 3:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.2° C and 2.5° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-508746 recovered above the upper control limit for 2-Butanone (MEK) and 2-Hexanone. The samples associated with this CCV were non-detect above the reporting limit for the affected analytes; therefore, the data have been reported. The following samples are impacted: TP #3, 2-3 (480-163813-2), TP #5, 1-2 (480-163813-3), TP #6, 3-4 (480-163813-4), TP #9, 3 (480-163813-5) and TP #1, 1-2 (480-163813-6).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-508768 and analytical batch 480-508746 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following samples are impacted: TP #5, 1-2 (480-163813-3[MS]) and TP #5, 1-2 (480-163813-3[MSD]).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: SAMPLE 1UST (480-163813-10), SAMPLE 3UST (480-163813-12) and SAMPLE 4UST (480-163813-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: SAMPLE 2UST (480-163813-11). 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.

GC/MS Semi VOA

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-509077 recovered above the upper control limit for 4-Nitrophenol, Bis(2-ethylhexyl) phthalate and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: TP #4, 1-2 (480-163813-1), TP #3, 2-3 (480-163813-2), TP #5, 1-2 (480-163813-3), TP #6, 3-4 (480-163813-4), TP #9, 3 (480-163813-5), TP #1, 1-2 (480-163813-6), TP9 SURFACE (480-163813-7), CHURCHSTREET BAYAREA (480-163813-8) and UST PARKING AREA (480-163813-9).

Method 8270D: The following samples was diluted due to color and appearance: TP #5, 1-2 (480-163813-3), TP #5, 1-2 (480-163813-3[MS]), TP #5, 1-2 (480-163813-3[MSD]), TP #9, 3 (480-163813-5), TP9 SURFACE (480-163813-7), CHURCHSTREET BAYAREA (480-163813-8) and SAMPLE 4UST (480-163813-13). Elevated reporting limits (RL) are provided.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-508877 and analytical batch 480-509077 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270D: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-508877 and analytical batch 480-509077 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected.

Method 8270D: Surrogate recovery was outside acceptance limits for the following matrix spike duplicate (MSD) sample: TP #5, 1-2 (480-163813-3[MSD]). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The following samples are associated with a continuing calibration verification (CCV 480-508966/5) that had recoveries for

Case Narrative

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Job ID: 480-163813-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

the surrogate Decachlorobiphenyl that were below acceptance limits: TP #4, 1-2 (480-163813-1), TP #3, 2-3 (480-163813-2), TP #5, 1-2 (480-163813-3), TP #6, 3-4 (480-163813-4), TP #9, 3 (480-163813-5), TP #1, 1-2 (480-163813-6), TP9 SURFACE (480-163813-7), CHURCHSTREET BAYAREA (480-163813-8) and UST PARKING AREA (480-163813-9). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #4, 1-2

Lab Sample ID: 480-163813-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	63	J	210	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	88	J	210	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	66	J	210	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	39	J	210	27	ug/Kg	1	☼	8270D	Total/NA
Chrysene	76	J	210	47	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	100	J	210	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	50	J	210	26	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	44	J	210	31	ug/Kg	1	☼	8270D	Total/NA
Pyrene	100	J	210	25	ug/Kg	1	☼	8270D	Total/NA
Arsenic	8.1		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	39.5		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.088	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.3		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	16.4		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.29		0.024	0.0098	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP #3, 2-3

Lab Sample ID: 480-163813-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.26	J	2.1	0.13	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	70	J	210	42	ug/Kg	1	☼	8270D	Total/NA
Acenaphthylene	170	J	210	27	ug/Kg	1	☼	8270D	Total/NA
Anthracene	130	J	210	52	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	580		210	21	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	520		210	31	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	870		210	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	410		210	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	350		210	27	ug/Kg	1	☼	8270D	Total/NA
Carbazole	27	J	210	25	ug/Kg	1	☼	8270D	Total/NA
Chrysene	690		210	47	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	130	J	210	37	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	31	J	210	25	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	910		210	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	380		210	26	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	200	J	210	31	ug/Kg	1	☼	8270D	Total/NA
Pyrene	880		210	25	ug/Kg	1	☼	8270D	Total/NA
Arsenic	35.8		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	69.5		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Chromium	10.2		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	50.0		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.74	J	4.9	0.49	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.52		0.025	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP #5, 1-2

Lab Sample ID: 480-163813-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.0	J	11	0.78	ug/Kg	1	☼	8260C	Total/NA
Acetone	15		11	1.8	ug/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	1200	F1 F2	1000	100	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	970	J F1 F2	1000	150	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	1200	F1 F2	1000	160	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	600	J F2	1000	110	ug/Kg	5	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #5, 1-2 (Continued)

Lab Sample ID: 480-163813-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[k]fluoranthene	500	J F2	1000	130	ug/Kg	5	☼	8270D	Total/NA
Chrysene	1100	F1 F2	1000	230	ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	220	J F2	1000	180	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	2200	F1 F2	1000	110	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	500	J F1 F2	1000	130	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	770	J F1 F2	1000	150	ug/Kg	5	☼	8270D	Total/NA
Pyrene	2000	F1 F2	1000	120	ug/Kg	5	☼	8270D	Total/NA
Arsenic	19.2		2.5	0.51	mg/Kg	1	☼	6010C	Total/NA
Barium	109	F1 F2	0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.062	J	0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.3		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	2340	F2	1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.1	J	5.1	0.51	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.45	F1	0.025	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP #6, 3-4

Lab Sample ID: 480-163813-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.4	J	7.1	0.52	ug/Kg	1	☼	8260C	Total/NA
Acetone	1.7	J	7.1	1.2	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.95	J	1.4	0.65	ug/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	48	J	190	38	ug/Kg	1	☼	8270D	Total/NA
Acenaphthene	46	J	190	28	ug/Kg	1	☼	8270D	Total/NA
Anthracene	99	J	190	47	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	420		190	19	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	460		190	28	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	510		190	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	310		190	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	240		190	25	ug/Kg	1	☼	8270D	Total/NA
Carbazole	76	J	190	22	ug/Kg	1	☼	8270D	Total/NA
Chrysene	470		190	43	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	97	J	190	34	ug/Kg	1	☼	8270D	Total/NA
Dibenzofuran	29	J	190	22	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	760		190	20	ug/Kg	1	☼	8270D	Total/NA
Fluorene	31	J	190	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	290		190	24	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	30	J	190	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	490		190	28	ug/Kg	1	☼	8270D	Total/NA
Pyrene	720		190	22	ug/Kg	1	☼	8270D	Total/NA
Arsenic	9.9		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	50.7		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.7		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	16.0		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.23		0.021	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP #9, 3

Lab Sample ID: 480-163813-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.3	J	11	0.82	ug/Kg	1	☼	8260C	Total/NA
Benzo[g,h,i]perylene	230	J	2100	220	ug/Kg	10	☼	8270D	Total/NA
PCB-1254	0.21	J	0.25	0.12	mg/Kg	1	☼	8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #9, 3 (Continued)

Lab Sample ID: 480-163813-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	73.8		2.6	0.52	mg/Kg	1	☼	6010C	Total/NA
Barium	115		0.65	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.79		0.26	0.039	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.4		0.65	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	270		1.3	0.31	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.82	J	5.2	0.52	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.25		0.025	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP #1, 1-2

Lab Sample ID: 480-163813-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.8	J	7.0	1.2	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	0.66	J	1.4	0.64	ug/Kg	1	☼	8260C	Total/NA
Acenaphthylene	63	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Anthracene	62	J	200	51	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	320		200	20	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	300		200	30	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	380		200	32	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	210		200	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	190	J	200	26	ug/Kg	1	☼	8270D	Total/NA
Carbazole	25	J	200	24	ug/Kg	1	☼	8270D	Total/NA
Chrysene	340		200	46	ug/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	82	J	200	36	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	530		200	22	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	190	J	200	25	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	200		200	30	ug/Kg	1	☼	8270D	Total/NA
Pyrene	430		200	24	ug/Kg	1	☼	8270D	Total/NA
Arsenic	8.4		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	72.8		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.51		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	10.9		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	92.6		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.10		0.025	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TP9 SURFACE

Lab Sample ID: 480-163813-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	590	J	2000	200	ug/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	460	J	2000	300	ug/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	660	J	2000	320	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	490	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	290	J	2000	260	ug/Kg	10	☼	8270D	Total/NA
Chrysene	630	J	2000	450	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	830	J	2000	210	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	400	J	2000	250	ug/Kg	10	☼	8270D	Total/NA
Phenanthrene	310	J	2000	300	ug/Kg	10	☼	8270D	Total/NA
Pyrene	670	J	2000	240	ug/Kg	10	☼	8270D	Total/NA
PCB-1254	0.96		0.24	0.11	mg/Kg	1	☼	8082A	Total/NA
Arsenic	72.1		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	107		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.78		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.3		0.59	0.23	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP9 SURFACE (Continued)

Lab Sample ID: 480-163813-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	222		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.26		0.024	0.0099	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: CHURCHSTREET BAYAREA

Lab Sample ID: 480-163813-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	520	J	2100	340	ug/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	330	J	2100	230	ug/Kg	10	☼	8270D	Total/NA
Fluoranthene	510	J	2100	230	ug/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	280	J	2100	260	ug/Kg	10	☼	8270D	Total/NA
Pyrene	490	J	2100	250	ug/Kg	10	☼	8270D	Total/NA
Arsenic	8.8		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	110		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.40		0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.5		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	121		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.17		0.024	0.0097	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: UST PARKING AREA

Lab Sample ID: 480-163813-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.2		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	53.8		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.082	J	0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.6		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	12.8		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.024		0.024	0.0098	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SAMPLE 1UST

Lab Sample ID: 480-163813-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2200		240	67	ug/Kg	10	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	820		240	73	ug/Kg	10	☼	8260C	Total/NA
4-Isopropyltoluene	170	J	240	82	ug/Kg	10	☼	8260C	Total/NA
Ethylbenzene	460		240	70	ug/Kg	10	☼	8260C	Total/NA
Isopropylbenzene	190	J	240	36	ug/Kg	10	☼	8260C	Total/NA
m-Xylene & p-Xylene	1400		480	130	ug/Kg	10	☼	8260C	Total/NA
Naphthalene	710		240	82	ug/Kg	10	☼	8260C	Total/NA
N-Propylbenzene	380		240	63	ug/Kg	10	☼	8260C	Total/NA
o-Xylene	560		240	31	ug/Kg	10	☼	8260C	Total/NA
sec-Butylbenzene	110	J	240	89	ug/Kg	10	☼	8260C	Total/NA
Toluene	89	J	240	65	ug/Kg	10	☼	8260C	Total/NA
Xylenes, Total	2000		480	130	ug/Kg	10	☼	8260C	Total/NA
Naphthalene	210		190	25	ug/Kg	1	☼	8270D	Total/NA
Arsenic	16.0		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	81.0		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.0		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	19.2		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: SAMPLE 2UST

Lab Sample ID: 480-163813-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	7600		310	85	ug/Kg	20	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 2UST (Continued)

Lab Sample ID: 480-163813-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	2200		310	92	ug/Kg	20	☼	8260C	Total/NA
Benzene	1400		310	58	ug/Kg	20	☼	8260C	Total/NA
Ethylbenzene	3400		310	89	ug/Kg	20	☼	8260C	Total/NA
Isopropylbenzene	540		310	46	ug/Kg	20	☼	8260C	Total/NA
m-Xylene & p-Xylene	15000		610	170	ug/Kg	20	☼	8260C	Total/NA
Naphthalene	950		310	100	ug/Kg	20	☼	8260C	Total/NA
N-Propylbenzene	1200		310	80	ug/Kg	20	☼	8260C	Total/NA
o-Xylene	6100		310	40	ug/Kg	20	☼	8260C	Total/NA
sec-Butylbenzene	150	J	310	110	ug/Kg	20	☼	8260C	Total/NA
Toluene	9300		310	82	ug/Kg	20	☼	8260C	Total/NA
Xylenes, Total	21000		610	170	ug/Kg	20	☼	8260C	Total/NA
Benzo[g,h,i]perylene	20	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	27	J	190	20	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	1600		190	25	ug/Kg	1	☼	8270D	Total/NA
Pyrene	24	J	190	23	ug/Kg	1	☼	8270D	Total/NA
Arsenic	9.6		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	54.2		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.28		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.8		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	24.1		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Silver	0.31	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.030		0.022	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SAMPLE 3UST

Lab Sample ID: 480-163813-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3300		370	100	ug/Kg	10	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	1100		370	110	ug/Kg	10	☼	8260C	Total/NA
4-Isopropyltoluene	170	J	370	130	ug/Kg	10	☼	8260C	Total/NA
Ethylbenzene	340	J	370	110	ug/Kg	10	☼	8260C	Total/NA
Isopropylbenzene	150	J	370	56	ug/Kg	10	☼	8260C	Total/NA
m-Xylene & p-Xylene	1200		740	210	ug/Kg	10	☼	8260C	Total/NA
Naphthalene	530		370	130	ug/Kg	10	☼	8260C	Total/NA
N-Propylbenzene	410		370	98	ug/Kg	10	☼	8260C	Total/NA
o-Xylene	480		370	48	ug/Kg	10	☼	8260C	Total/NA
sec-Butylbenzene	140	J	370	140	ug/Kg	10	☼	8260C	Total/NA
Xylenes, Total	1700		740	210	ug/Kg	10	☼	8260C	Total/NA
Benzo[a]anthracene	85	J	220	22	ug/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	76	J	220	33	ug/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	98	J	220	35	ug/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	57	J	220	24	ug/Kg	1	☼	8270D	Total/NA
Chrysene	92	J	220	50	ug/Kg	1	☼	8270D	Total/NA
Fluoranthene	130	J	220	24	ug/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	58	J	220	28	ug/Kg	1	☼	8270D	Total/NA
Naphthalene	700		220	29	ug/Kg	1	☼	8270D	Total/NA
Pyrene	110	J	220	26	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	50	J	220	33	ug/Kg	1	☼	8270D	Total/NA
Arsenic	9.0		2.6	0.53	mg/Kg	1	☼	6010C	Total/NA
Barium	92.1		0.66	0.15	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.35		0.26	0.040	mg/Kg	1	☼	6010C	Total/NA
Chromium	18.5		0.66	0.26	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 3UST (Continued)

Lab Sample ID: 480-163813-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	23.8		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.81	J	5.3	0.53	mg/Kg	1	☼	6010C	Total/NA
Silver	0.26	J	0.79	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.15		0.027	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SAMPLE 4UST

Lab Sample ID: 480-163813-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	88	J	110	31	ug/Kg	4	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	170		110	34	ug/Kg	4	☼	8260C	Total/NA
4-Isopropyltoluene	90	J	110	38	ug/Kg	4	☼	8260C	Total/NA
Ethylbenzene	140		110	33	ug/Kg	4	☼	8260C	Total/NA
Isopropylbenzene	84	J	110	17	ug/Kg	4	☼	8260C	Total/NA
m-Xylene & p-Xylene	100	J	220	62	ug/Kg	4	☼	8260C	Total/NA
Naphthalene	200		110	38	ug/Kg	4	☼	8260C	Total/NA
N-Propylbenzene	200		110	29	ug/Kg	4	☼	8260C	Total/NA
o-Xylene	15	J	110	15	ug/Kg	4	☼	8260C	Total/NA
sec-Butylbenzene	88	J	110	41	ug/Kg	4	☼	8260C	Total/NA
Xylenes, Total	120	J	220	62	ug/Kg	4	☼	8260C	Total/NA
Benzo[g,h,i]perylene	140	J	1000	110	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	250	J	1000	110	ug/Kg	5	☼	8270D	Total/NA
Naphthalene	700	J	1000	130	ug/Kg	5	☼	8270D	Total/NA
Pyrene	190	J	1000	120	ug/Kg	5	☼	8270D	Total/NA
Arsenic	11.2		2.6	0.52	mg/Kg	1	☼	6010C	Total/NA
Barium	89.0		0.65	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22	J	0.26	0.039	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.0		0.65	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	41.6		1.3	0.31	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.53	J	5.2	0.52	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.11		0.025	0.010	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #4, 1-2

Lab Sample ID: 480-163813-1

Date Collected: 12/05/19 08:48

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.10	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.23	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,1,2-Trichloroethane	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	0.32	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,1-Dichloroethane	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,1-Dichloroethene	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,2,4-Trichlorobenzene	ND		1.4	0.087	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,2-Dibromo-3-Chloropropane	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,2-Dichlorobenzene	ND		1.4	0.11	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,2-Dichloroethane	ND		1.4	0.072	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,2-Dichloropropane	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,3-Dichlorobenzene	ND		1.4	0.073	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,4-Dichlorobenzene	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
2-Butanone (MEK)	ND		7.1	0.52	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
2-Hexanone	ND		7.1	0.71	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		7.1	0.47	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Acetone	ND		7.1	1.2	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Benzene	ND		1.4	0.070	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Bromodichloromethane	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Bromoform	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Bromomethane	ND		1.4	0.13	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Carbon disulfide	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Carbon tetrachloride	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Chlorobenzene	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Dibromochloromethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Chloroethane	ND		1.4	0.32	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Chloroform	ND		1.4	0.088	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Chloromethane	ND		1.4	0.086	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
cis-1,2-Dichloroethene	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
cis-1,3-Dichloropropene	ND		1.4	0.21	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Cyclohexane	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Dichlorodifluoromethane	ND		1.4	0.12	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Ethylbenzene	ND		1.4	0.098	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
1,2-Dibromoethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Isopropylbenzene	ND		1.4	0.21	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Methyl acetate	ND		7.1	0.86	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Methyl tert-butyl ether	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Methylcyclohexane	ND		1.4	0.22	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Methylene Chloride	ND		1.4	0.66	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Styrene	ND		1.4	0.071	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Tetrachloroethene	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Toluene	ND		1.4	0.11	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
trans-1,2-Dichloroethene	ND		1.4	0.15	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
trans-1,3-Dichloropropene	ND		1.4	0.63	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Trichloroethene	ND		1.4	0.31	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Trichlorofluoromethane	ND		1.4	0.13	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Vinyl chloride	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1
Xylenes, Total	ND		2.8	0.24	ug/Kg	☼	12/07/19 08:00	12/10/19 12:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #4, 1-2

Lab Sample ID: 480-163813-1

Date Collected: 12/05/19 08:48

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	12/07/19 08:00	12/10/19 12:38	1
1,2-Dichloroethane-d4 (Surr)	112		64 - 126	12/07/19 08:00	12/10/19 12:38	1
4-Bromofluorobenzene (Surr)	92		72 - 126	12/07/19 08:00	12/10/19 12:38	1
Dibromofluoromethane (Surr)	100		60 - 140	12/07/19 08:00	12/10/19 12:38	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,4,5-Trichlorophenol	ND		210	57	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,4,6-Trichlorophenol	ND		210	42	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,4-Dichlorophenol	ND		210	22	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,4-Dimethylphenol	ND		210	50	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,4-Dinitrophenol	ND		2000	960	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,4-Dinitrotoluene	ND		210	43	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2,6-Dinitrotoluene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2-Chloronaphthalene	ND		210	34	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2-Chlorophenol	ND		410	38	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2-Methylphenol	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2-Methylnaphthalene	ND		210	42	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2-Nitroaniline	ND		410	31	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
2-Nitrophenol	ND		210	59	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
3,3'-Dichlorobenzidine	ND		410	250	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
3-Nitroaniline	ND		410	58	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4,6-Dinitro-2-methylphenol	ND		410	210	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Bromophenyl phenyl ether	ND		210	29	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Chloro-3-methylphenol	ND		210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Chloroaniline	ND		210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Chlorophenyl phenyl ether	ND		210	26	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Methylphenol	ND		410	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Nitroaniline	ND		410	110	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
4-Nitrophenol	ND		410	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Acenaphthene	ND		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Acenaphthylene	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Acetophenone	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Anthracene	ND		210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Atrazine	ND		210	72	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Benzaldehyde	ND		210	170	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Benzo[a]anthracene	ND		210	21	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Benzo[a]pyrene	63	J	210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Benzo[b]fluoranthene	88	J	210	33	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Benzo[g,h,i]perylene	66	J	210	22	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Benzo[k]fluoranthene	39	J	210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Bis(2-chloroethoxy)methane	ND		210	44	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Bis(2-chloroethyl)ether	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Bis(2-ethylhexyl) phthalate	ND		210	71	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Butyl benzyl phthalate	ND		210	34	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Caprolactam	ND		210	63	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Carbazole	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Chrysene	76	J	210	47	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #4, 1-2

Lab Sample ID: 480-163813-1

Date Collected: 12/05/19 08:48

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		210	37	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Di-n-butyl phthalate	ND		210	36	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Di-n-octyl phthalate	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Dibenzofuran	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Diethyl phthalate	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Dimethyl phthalate	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Fluoranthene	100	J	210	22	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Fluorene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Hexachlorobenzene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Hexachlorocyclopentadiene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Hexachloroethane	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Indeno[1,2,3-cd]pyrene	50	J	210	26	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Isophorone	ND		210	44	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
N-Nitrosodi-n-propylamine	ND		210	36	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
N-Nitrosodiphenylamine	ND		210	170	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Naphthalene	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Nitrobenzene	ND		210	23	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Pentachlorophenol	ND		410	210	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Phenanthrene	44	J	210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Phenol	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1
Pyrene	100	J	210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		53 - 120	12/09/19 15:01	12/10/19 16:59	1
Phenol-d5 (Surr)	72		54 - 120	12/09/19 15:01	12/10/19 16:59	1
p-Terphenyl-d14 (Surr)	112		79 - 130	12/09/19 15:01	12/10/19 16:59	1
2,4,6-Tribromophenol (Surr)	105		54 - 120	12/09/19 15:01	12/10/19 16:59	1
2-Fluorobiphenyl	94		60 - 120	12/09/19 15:01	12/10/19 16:59	1
2-Fluorophenol (Surr)	69		52 - 120	12/09/19 15:01	12/10/19 16:59	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1
PCB-1221	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1
PCB-1232	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1
PCB-1242	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1
PCB-1248	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	12/09/19 07:45	12/10/19 11:51	1
Tetrachloro-m-xylene	86		60 - 154	12/09/19 07:45	12/10/19 11:51	1
DCB Decachlorobiphenyl	97		65 - 174	12/09/19 07:45	12/10/19 11:51	1
DCB Decachlorobiphenyl	74		65 - 174	12/09/19 07:45	12/10/19 11:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.1		2.4	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #4, 1-2

Lab Sample ID: 480-163813-1

Date Collected: 12/05/19 08:48

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	39.5		0.61	0.13	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1
Cadmium	0.088	J	0.24	0.036	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1
Chromium	7.3		0.61	0.24	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1
Lead	16.4		1.2	0.29	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1
Selenium	ND		4.9	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1
Silver	ND		0.73	0.24	mg/Kg	☼	12/10/19 14:13	12/11/19 18:48	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.29		0.024	0.0098	mg/Kg	☼	12/15/19 14:01	12/15/19 15:01	1

Client Sample ID: TP #3, 2-3

Lab Sample ID: 480-163813-2

Date Collected: 12/05/19 09:30

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.1	0.15	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,1,2,2-Tetrachloroethane	ND		2.1	0.34	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,1,2-Trichloroethane	ND		2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	0.48	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,1-Dichloroethane	ND		2.1	0.26	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,1-Dichloroethene	ND		2.1	0.26	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,2,4-Trichlorobenzene	ND		2.1	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,2-Dibromo-3-Chloropropane	ND		2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,2-Dichlorobenzene	ND		2.1	0.16	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,2-Dichloroethane	ND		2.1	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,2-Dichloropropane	ND		2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,3-Dichlorobenzene	ND		2.1	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
1,4-Dichlorobenzene	ND		2.1	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
2-Butanone (MEK)	ND		11	0.77	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
2-Hexanone	ND		11	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
4-Methyl-2-pentanone (MIBK)	ND		11	0.69	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Acetone	ND		11	1.8	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Benzene	ND		2.1	0.10	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Bromodichloromethane	ND		2.1	0.28	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Bromoform	ND		2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Bromomethane	ND		2.1	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Carbon disulfide	ND		2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Carbon tetrachloride	ND		2.1	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Chlorobenzene	ND		2.1	0.28	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Dibromochloromethane	ND		2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Chloroethane	ND		2.1	0.48	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Chloroform	0.26	J	2.1	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Chloromethane	ND		2.1	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
cis-1,2-Dichloroethene	ND		2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
cis-1,3-Dichloropropene	ND		2.1	0.30	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Cyclohexane	ND		2.1	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Dichlorodifluoromethane	ND		2.1	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Ethylbenzene	ND		2.1	0.15	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #3, 2-3

Lab Sample ID: 480-163813-2

Date Collected: 12/05/19 09:30

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Isopropylbenzene	ND		2.1	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Methyl acetate	ND		11	1.3	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Methyl tert-butyl ether	ND		2.1	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Methylcyclohexane	ND		2.1	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Methylene Chloride	ND		2.1	0.97	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Styrene	ND		2.1	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Tetrachloroethene	ND		2.1	0.28	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Toluene	ND		2.1	0.16	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
trans-1,2-Dichloroethene	ND		2.1	0.22	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
trans-1,3-Dichloropropene	ND		2.1	0.93	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Trichloroethene	ND		2.1	0.46	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Trichlorofluoromethane	ND		2.1	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Vinyl chloride	ND		2.1	0.26	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1
Xylenes, Total	ND		4.2	0.35	ug/Kg	☼	12/07/19 08:00	12/09/19 12:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		71 - 125	12/07/19 08:00	12/09/19 12:44	1
1,2-Dichloroethane-d4 (Surr)	115		64 - 126	12/07/19 08:00	12/09/19 12:44	1
4-Bromofluorobenzene (Surr)	93		72 - 126	12/07/19 08:00	12/09/19 12:44	1
Dibromofluoromethane (Surr)	102		60 - 140	12/07/19 08:00	12/09/19 12:44	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
bis (2-chloroisopropyl) ether	ND		210	42	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,4,5-Trichlorophenol	ND		210	57	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,4,6-Trichlorophenol	ND		210	42	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,4-Dichlorophenol	ND		210	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,4-Dimethylphenol	ND		210	51	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,4-Dinitrophenol	ND		2000	970	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,4-Dinitrotoluene	ND		210	43	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2,6-Dinitrotoluene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2-Chloronaphthalene	ND		210	35	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2-Chlorophenol	ND		410	38	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2-Methylphenol	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2-Methylnaphthalene	70	J	210	42	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2-Nitroaniline	ND		410	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
2-Nitrophenol	ND		210	59	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
3,3'-Dichlorobenzidine	ND		410	250	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
3-Nitroaniline	ND		410	58	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4,6-Dinitro-2-methylphenol	ND		410	210	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Bromophenyl phenyl ether	ND		210	30	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Chloro-3-methylphenol	ND		210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Chloroaniline	ND		210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Chlorophenyl phenyl ether	ND		210	26	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Methylphenol	ND		410	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Nitroaniline	ND		410	110	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
4-Nitrophenol	ND		410	150	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Acenaphthene	ND		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #3, 2-3

Lab Sample ID: 480-163813-2

Date Collected: 12/05/19 09:30

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	170	J	210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Acetophenone	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Anthracene	130	J	210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Atrazine	ND		210	73	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Benzaldehyde	ND		210	170	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Benzo[a]anthracene	580		210	21	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Benzo[a]pyrene	520		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Benzo[b]fluoranthene	870		210	33	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Benzo[g,h,i]perylene	410		210	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Benzo[k]fluoranthene	350		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Bis(2-chloroethoxy)methane	ND		210	44	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Bis(2-chloroethyl)ether	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Bis(2-ethylhexyl) phthalate	ND		210	72	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Butyl benzyl phthalate	ND		210	35	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Caprolactam	ND		210	63	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Carbazole	27	J	210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Chrysene	690		210	47	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Dibenz(a,h)anthracene	130	J	210	37	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Di-n-butyl phthalate	ND		210	36	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Di-n-octyl phthalate	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Dibenzofuran	31	J	210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Diethyl phthalate	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Dimethyl phthalate	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Fluoranthene	910		210	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Fluorene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Hexachlorobenzene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Hexachlorobutadiene	ND		210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Hexachlorocyclopentadiene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Hexachloroethane	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Indeno[1,2,3-cd]pyrene	380		210	26	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Isophorone	ND		210	44	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
N-Nitrosodi-n-propylamine	ND		210	36	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
N-Nitrosodiphenylamine	ND		210	170	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Naphthalene	ND		210	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Nitrobenzene	ND		210	23	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Pentachlorophenol	ND		410	210	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Phenanthrene	200	J	210	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Phenol	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1
Pyrene	880		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	92		53 - 120	12/09/19 15:01	12/10/19 17:24	1
Phenol-d5 (Surr)	81		54 - 120	12/09/19 15:01	12/10/19 17:24	1
p-Terphenyl-d14 (Surr)	109		79 - 130	12/09/19 15:01	12/10/19 17:24	1
2,4,6-Tribromophenol (Surr)	103		54 - 120	12/09/19 15:01	12/10/19 17:24	1
2-Fluorobiphenyl	99		60 - 120	12/09/19 15:01	12/10/19 17:24	1
2-Fluorophenol (Surr)	82		52 - 120	12/09/19 15:01	12/10/19 17:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #3, 2-3

Lab Sample ID: 480-163813-2

Date Collected: 12/05/19 09:30

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	12/09/19 07:45	12/10/19 12:04	1
Tetrachloro-m-xylene	91		60 - 154	12/09/19 07:45	12/10/19 12:04	1
DCB Decachlorobiphenyl	101		65 - 174	12/09/19 07:45	12/10/19 12:04	1
DCB Decachlorobiphenyl	78		65 - 174	12/09/19 07:45	12/10/19 12:04	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	35.8		2.5	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1
Barium	69.5		0.62	0.14	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1
Cadmium	ND		0.25	0.037	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1
Chromium	10.2		0.62	0.25	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1
Lead	50.0		1.2	0.30	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1
Selenium	0.74 J		4.9	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1
Silver	ND		0.74	0.25	mg/Kg	☼	12/10/19 14:13	12/11/19 18:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.025	0.010	mg/Kg	☼	12/15/19 14:01	12/15/19 15:02	1

Client Sample ID: TP #5, 1-2

Lab Sample ID: 480-163813-3

Date Collected: 12/05/19 10:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	2.1	0.15	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,1,1,2-Tetrachloroethane	ND	F1	2.1	0.35	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,1,2-Trichloroethane	ND	F1	2.1	0.28	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.1	0.49	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,1-Dichloroethane	ND	F1	2.1	0.26	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,1-Dichloroethene	ND	F1	2.1	0.26	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,2,4-Trichlorobenzene	ND	F1	2.1	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,2-Dibromo-3-Chloropropane	ND	F1	2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,2-Dichlorobenzene	ND	F1	2.1	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,2-Dichloroethane	ND	F1	2.1	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,2-Dichloropropane	ND	F1	2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,3-Dichlorobenzene	ND	F1	2.1	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,4-Dichlorobenzene	ND	F1	2.1	0.30	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
2-Butanone (MEK)	2.0 J		11	0.78	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
2-Hexanone	ND	F1	11	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		11	0.70	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Acetone	15		11	1.8	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #5, 1-2

Lab Sample ID: 480-163813-3

Date Collected: 12/05/19 10:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND	F1	2.1	0.10	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Bromodichloromethane	ND	F1	2.1	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Bromoform	ND	F1	2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Bromomethane	ND		2.1	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Carbon disulfide	ND	F1	2.1	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Carbon tetrachloride	ND	F1	2.1	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Chlorobenzene	ND	F1	2.1	0.28	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Dibromochloromethane	ND	F1	2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Chloroethane	ND		2.1	0.48	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Chloroform	ND	F1	2.1	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Chloromethane	ND		2.1	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
cis-1,2-Dichloroethene	ND	F1	2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
cis-1,3-Dichloropropene	ND	F1	2.1	0.31	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Cyclohexane	ND	F1	2.1	0.30	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Dichlorodifluoromethane	ND		2.1	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Ethylbenzene	ND	F1	2.1	0.15	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
1,2-Dibromoethane	ND	F1	2.1	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Isopropylbenzene	ND	F1	2.1	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Methyl acetate	ND		11	1.3	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Methyl tert-butyl ether	ND		2.1	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Methylcyclohexane	ND	F1	2.1	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Methylene Chloride	ND	F1	2.1	0.98	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Styrene	ND	F1	2.1	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Tetrachloroethene	ND	F1	2.1	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Toluene	ND	F1	2.1	0.16	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
trans-1,2-Dichloroethene	ND	F1	2.1	0.22	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
trans-1,3-Dichloropropene	ND	F1	2.1	0.94	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Trichloroethene	ND	F1	2.1	0.47	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Trichlorofluoromethane	ND	F1	2.1	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Vinyl chloride	ND		2.1	0.26	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1
Xylenes, Total	ND	F1	4.3	0.36	ug/Kg	☼	12/07/19 08:00	12/09/19 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		71 - 125	12/07/19 08:00	12/09/19 13:10	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	12/07/19 08:00	12/09/19 13:10	1
4-Bromofluorobenzene (Surr)	85		72 - 126	12/07/19 08:00	12/09/19 13:10	1
Dibromofluoromethane (Surr)	103		60 - 140	12/07/19 08:00	12/09/19 13:10	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
bis (2-chloroisopropyl) ether	ND	F2	1000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,4,5-Trichlorophenol	ND		1000	280	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,4,6-Trichlorophenol	ND		1000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,4-Dichlorophenol	ND		1000	110	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,4-Dimethylphenol	ND		1000	250	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,4-Dinitrophenol	ND		10000	4700	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,4-Dinitrotoluene	ND		1000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2,6-Dinitrotoluene	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2-Chloronaphthalene	ND		1000	170	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #5, 1-2

Lab Sample ID: 480-163813-3

Date Collected: 12/05/19 10:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		2000	190	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2-Methylphenol	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2-Methylnaphthalene	ND		1000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2-Nitroaniline	ND		2000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
2-Nitrophenol	ND	F2	1000	290	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
3,3'-Dichlorobenzidine	ND		2000	1200	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
3-Nitroaniline	ND		2000	280	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4,6-Dinitro-2-methylphenol	ND		2000	1000	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Bromophenyl phenyl ether	ND		1000	140	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Chloro-3-methylphenol	ND		1000	250	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Chloroaniline	ND		1000	250	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Chlorophenyl phenyl ether	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Methylphenol	ND		2000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Nitroaniline	ND		2000	540	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
4-Nitrophenol	ND		2000	720	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Acenaphthene	ND		1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Acenaphthylene	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Acetophenone	ND	F2	1000	140	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Anthracene	ND	F1 F2	1000	250	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Atrazine	ND		1000	360	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Benzaldehyde	ND		1000	810	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Benzo[a]anthracene	1200	F1 F2	1000	100	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Benzo[a]pyrene	970	J F1 F2	1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Benzo[b]fluoranthene	1200	F1 F2	1000	160	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Benzo[g,h,i]perylene	600	J F2	1000	110	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Benzo[k]fluoranthene	500	J F2	1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Bis(2-chloroethoxy)methane	ND	F2	1000	220	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Bis(2-chloroethyl)ether	ND	F2	1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Bis(2-ethylhexyl) phthalate	ND		1000	350	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Butyl benzyl phthalate	ND		1000	170	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Caprolactam	ND		1000	310	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Carbazole	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Chrysene	1100	F1 F2	1000	230	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Dibenz(a,h)anthracene	220	J F2	1000	180	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Di-n-butyl phthalate	ND		1000	170	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Di-n-octyl phthalate	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Dibenzofuran	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Diethyl phthalate	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Dimethyl phthalate	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Fluoranthene	2200	F1 F2	1000	110	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Fluorene	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Hexachlorobenzene	ND		1000	140	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Hexachlorobutadiene	ND		1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Hexachlorocyclopentadiene	ND		1000	140	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Hexachloroethane	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Indeno[1,2,3-cd]pyrene	500	J F1 F2	1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Isophorone	ND		1000	220	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
N-Nitrosodi-n-propylamine	ND		1000	170	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
N-Nitrosodiphenylamine	ND		1000	830	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #5, 1-2

Lab Sample ID: 480-163813-3

Date Collected: 12/05/19 10:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Nitrobenzene	ND		1000	110	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Pentachlorophenol	ND		2000	1000	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Phenanthrene	770	J F1 F2	1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Phenol	ND		1000	160	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Pyrene	2000	F1 F2	1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 16:34	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	81		53 - 120				12/09/19 15:01	12/10/19 16:34	5
Phenol-d5 (Surr)	72		54 - 120				12/09/19 15:01	12/10/19 16:34	5
p-Terphenyl-d14 (Surr)	100		79 - 130				12/09/19 15:01	12/10/19 16:34	5
2,4,6-Tribromophenol (Surr)	97		54 - 120				12/09/19 15:01	12/10/19 16:34	5
2-Fluorobiphenyl	89		60 - 120				12/09/19 15:01	12/10/19 16:34	5
2-Fluorophenol (Surr)	70		52 - 120				12/09/19 15:01	12/10/19 16:34	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.046	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
PCB-1221	ND		0.24	0.046	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
PCB-1232	ND		0.24	0.046	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
PCB-1242	ND		0.24	0.046	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
PCB-1248	ND		0.24	0.046	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
PCB-1254	ND		0.24	0.11	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	12/09/19 07:45	12/10/19 10:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154				12/09/19 07:45	12/10/19 10:47	1
Tetrachloro-m-xylene	82		60 - 154				12/09/19 07:45	12/10/19 10:47	1
DCB Decachlorobiphenyl	94		65 - 174				12/09/19 07:45	12/10/19 10:47	1
DCB Decachlorobiphenyl	76		65 - 174				12/09/19 07:45	12/10/19 10:47	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.2		2.5	0.51	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1
Barium	109	F1 F2	0.63	0.14	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1
Cadmium	0.062	J	0.25	0.038	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1
Chromium	12.3		0.63	0.25	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1
Lead	2340	F2	1.3	0.30	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1
Selenium	1.1	J	5.1	0.51	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1
Silver	ND		0.76	0.25	mg/Kg	☼	12/10/19 14:13	12/11/19 18:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.45	F1	0.025	0.010	mg/Kg	☼	12/15/19 14:01	12/15/19 15:04	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #6, 3-4

Lab Sample ID: 480-163813-4

Date Collected: 12/05/19 10:40

Matrix: Solid

Date Received: 12/06/19 15:25

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		1.4	0.10	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.23	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,1,2-Trichloroethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,1-Dichloroethane	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,1-Dichloroethene	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,2,4-Trichlorobenzene	ND		1.4	0.086	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,2-Dibromo-3-Chloropropane	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,2-Dichlorobenzene	ND		1.4	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,2-Dichloroethane	ND		1.4	0.071	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,2-Dichloropropane	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,3-Dichlorobenzene	ND		1.4	0.073	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,4-Dichlorobenzene	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
2-Butanone (MEK)	1.4	J	7.1	0.52	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
2-Hexanone	ND		7.1	0.71	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
4-Methyl-2-pentanone (MIBK)	ND		7.1	0.46	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Acetone	1.7	J	7.1	1.2	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Benzene	ND		1.4	0.069	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Bromodichloromethane	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Bromoform	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Bromomethane	ND		1.4	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Carbon disulfide	ND		1.4	0.71	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Carbon tetrachloride	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Chlorobenzene	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Dibromochloromethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Chloroethane	ND		1.4	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Chloroform	ND		1.4	0.087	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Chloromethane	ND		1.4	0.085	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
cis-1,2-Dichloroethene	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
cis-1,3-Dichloropropene	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Cyclohexane	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Dichlorodifluoromethane	ND		1.4	0.12	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Ethylbenzene	ND		1.4	0.098	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
1,2-Dibromoethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Isopropylbenzene	ND		1.4	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Methyl acetate	ND		7.1	0.85	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Methyl tert-butyl ether	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Methylcyclohexane	ND		1.4	0.22	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Methylene Chloride	0.95	J	1.4	0.65	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Styrene	ND		1.4	0.071	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Tetrachloroethene	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Toluene	ND		1.4	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
trans-1,2-Dichloroethene	ND		1.4	0.15	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
trans-1,3-Dichloropropene	ND		1.4	0.62	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Trichloroethene	ND		1.4	0.31	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Trichlorofluoromethane	ND		1.4	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Vinyl chloride	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1
Xylenes, Total	ND		2.8	0.24	ug/Kg	☼	12/07/19 08:00	12/09/19 13:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #6, 3-4

Lab Sample ID: 480-163813-4

Date Collected: 12/05/19 10:40

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		71 - 125	12/07/19 08:00	12/09/19 13:36	1
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	12/07/19 08:00	12/09/19 13:36	1
4-Bromofluorobenzene (Surr)	93		72 - 126	12/07/19 08:00	12/09/19 13:36	1
Dibromofluoromethane (Surr)	102		60 - 140	12/07/19 08:00	12/09/19 13:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
bis (2-chloroisopropyl) ether	ND		190	38	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,4,5-Trichlorophenol	ND		190	52	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,4,6-Trichlorophenol	ND		190	38	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,4-Dichlorophenol	ND		190	20	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,4-Dimethylphenol	ND		190	46	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,4-Dinitrophenol	ND		1900	880	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,4-Dinitrotoluene	ND		190	39	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2,6-Dinitrotoluene	ND		190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2-Chloronaphthalene	ND		190	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2-Chlorophenol	ND		370	35	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2-Methylphenol	ND		190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2-Methylnaphthalene	48	J	190	38	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2-Nitroaniline	ND		370	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
2-Nitrophenol	ND		190	54	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
3,3'-Dichlorobenzidine	ND		370	220	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
3-Nitroaniline	ND		370	53	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4,6-Dinitro-2-methylphenol	ND		370	190	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Bromophenyl phenyl ether	ND		190	27	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Chloro-3-methylphenol	ND		190	47	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Chloroaniline	ND		190	47	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Chlorophenyl phenyl ether	ND		190	24	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Methylphenol	ND		370	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Nitroaniline	ND		370	100	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
4-Nitrophenol	ND		370	130	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Acenaphthene	46	J	190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Acenaphthylene	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Acetophenone	ND		190	26	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Anthracene	99	J	190	47	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Atrazine	ND		190	66	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Benzaldehyde	ND		190	150	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Benzo[a]anthracene	420		190	19	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Benzo[a]pyrene	460		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Benzo[b]fluoranthene	510		190	30	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Benzo[g,h,i]perylene	310		190	20	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Benzo[k]fluoranthene	240		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Bis(2-chloroethoxy)methane	ND		190	40	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Bis(2-chloroethyl)ether	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Bis(2-ethylhexyl) phthalate	ND		190	65	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Butyl benzyl phthalate	ND		190	31	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Caprolactam	ND		190	57	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Carbazole	76	J	190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Chrysene	470		190	43	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #6, 3-4

Lab Sample ID: 480-163813-4

Date Collected: 12/05/19 10:40

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	97	J	190	34	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Di-n-butyl phthalate	ND		190	32	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Di-n-octyl phthalate	ND		190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Dibenzofuran	29	J	190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Diethyl phthalate	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Dimethyl phthalate	ND		190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Fluoranthene	760		190	20	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Fluorene	31	J	190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Hexachlorobenzene	ND		190	26	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Hexachlorobutadiene	ND		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Hexachlorocyclopentadiene	ND		190	26	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Hexachloroethane	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Indeno[1,2,3-cd]pyrene	290		190	24	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Isophorone	ND		190	40	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
N-Nitrosodi-n-propylamine	ND		190	32	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
N-Nitrosodiphenylamine	ND		190	150	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Naphthalene	30	J	190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Nitrobenzene	ND		190	21	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Pentachlorophenol	ND		370	190	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Phenanthrene	490		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Phenol	ND		190	29	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1
Pyrene	720		190	22	ug/Kg	☼	12/09/19 15:01	12/10/19 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		53 - 120	12/09/19 15:01	12/10/19 17:49	1
Phenol-d5 (Surr)	72		54 - 120	12/09/19 15:01	12/10/19 17:49	1
p-Terphenyl-d14 (Surr)	99		79 - 130	12/09/19 15:01	12/10/19 17:49	1
2,4,6-Tribromophenol (Surr)	104		54 - 120	12/09/19 15:01	12/10/19 17:49	1
2-Fluorobiphenyl	89		60 - 120	12/09/19 15:01	12/10/19 17:49	1
2-Fluorophenol (Surr)	69		52 - 120	12/09/19 15:01	12/10/19 17:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.055	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1
PCB-1221	ND		0.28	0.055	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1
PCB-1232	ND		0.28	0.055	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1
PCB-1242	ND		0.28	0.055	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1
PCB-1248	ND		0.28	0.055	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	12/09/19 07:45	12/10/19 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	101		60 - 154	12/09/19 07:45	12/10/19 12:17	1
Tetrachloro-m-xylene	87		60 - 154	12/09/19 07:45	12/10/19 12:17	1
DCB Decachlorobiphenyl	98		65 - 174	12/09/19 07:45	12/10/19 12:17	1
DCB Decachlorobiphenyl	77		65 - 174	12/09/19 07:45	12/10/19 12:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.9		2.3	0.47	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #6, 3-4

Lab Sample ID: 480-163813-4

Date Collected: 12/05/19 10:40

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	50.7		0.58	0.13	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1
Cadmium	0.18	J	0.23	0.035	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1
Chromium	12.7		0.58	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1
Lead	16.0		1.2	0.28	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1
Selenium	ND		4.7	0.47	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1
Silver	ND		0.70	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 19:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.23		0.021	0.0086	mg/Kg	☼	12/15/19 14:01	12/15/19 15:09	1

Client Sample ID: TP #9, 3

Lab Sample ID: 480-163813-5

Date Collected: 12/05/19 12:30

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.2	0.16	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,1,2,2-Tetrachloroethane	ND		2.2	0.36	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,1,2-Trichloroethane	ND		2.2	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.2	0.51	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,1-Dichloroethane	ND		2.2	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,1-Dichloroethene	ND		2.2	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,2,4-Trichlorobenzene	ND		2.2	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,2-Dibromo-3-Chloropropane	ND		2.2	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,2-Dichlorobenzene	ND		2.2	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,2-Dichloroethane	ND		2.2	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,2-Dichloropropane	ND		2.2	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,3-Dichlorobenzene	ND		2.2	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
1,4-Dichlorobenzene	ND		2.2	0.31	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
2-Butanone (MEK)	5.3	J	11	0.82	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
2-Hexanone	ND		11	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
4-Methyl-2-pentanone (MIBK)	ND		11	0.73	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Acetone	ND		11	1.9	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Benzene	ND		2.2	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Bromodichloromethane	ND		2.2	0.30	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Bromoform	ND		2.2	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Bromomethane	ND		2.2	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Carbon disulfide	ND		2.2	1.1	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Carbon tetrachloride	ND		2.2	0.22	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Chlorobenzene	ND		2.2	0.30	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Dibromochloromethane	ND		2.2	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Chloroethane	ND		2.2	0.51	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Chloroform	ND		2.2	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Chloromethane	ND		2.2	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
cis-1,2-Dichloroethene	ND		2.2	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
cis-1,3-Dichloropropene	ND		2.2	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Cyclohexane	ND		2.2	0.31	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Dichlorodifluoromethane	ND		2.2	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Ethylbenzene	ND		2.2	0.15	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #9, 3

Date Collected: 12/05/19 12:30

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-5

Matrix: Solid

Percent Solids: 79.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		2.2	0.29	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Isopropylbenzene	ND		2.2	0.34	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Methyl acetate	ND		11	1.3	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Methyl tert-butyl ether	ND		2.2	0.22	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Methylcyclohexane	ND		2.2	0.34	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Methylene Chloride	ND		2.2	1.0	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Styrene	ND		2.2	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Tetrachloroethene	ND		2.2	0.30	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Toluene	ND		2.2	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
trans-1,2-Dichloroethene	ND		2.2	0.23	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
trans-1,3-Dichloropropene	ND		2.2	0.98	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Trichloroethene	ND		2.2	0.49	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Trichlorofluoromethane	ND		2.2	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Vinyl chloride	ND		2.2	0.27	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Xylenes, Total	ND		4.5	0.38	ug/Kg	☼	12/07/19 08:00	12/09/19 14:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		71 - 125				12/07/19 08:00	12/09/19 14:01	1
1,2-Dichloroethane-d4 (Surr)	114		64 - 126				12/07/19 08:00	12/09/19 14:01	1
4-Bromofluorobenzene (Surr)	90		72 - 126				12/07/19 08:00	12/09/19 14:01	1
Dibromofluoromethane (Surr)	103		60 - 140				12/07/19 08:00	12/09/19 14:01	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
bis (2-chloroisopropyl) ether	ND		2100	420	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,4,5-Trichlorophenol	ND		2100	570	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,4,6-Trichlorophenol	ND		2100	420	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,4-Dichlorophenol	ND		2100	220	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,4-Dimethylphenol	ND		2100	510	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,4-Dinitrophenol	ND		21000	9800	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2-Chlorophenol	ND		4100	390	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2-Methylnaphthalene	ND		2100	420	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2-Nitroaniline	ND		4100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
2-Nitrophenol	ND		2100	600	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
3,3'-Dichlorobenzidine	ND		4100	2500	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
3-Nitroaniline	ND		4100	580	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4,6-Dinitro-2-methylphenol	ND		4100	2100	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Chloro-3-methylphenol	ND		2100	520	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Chloroaniline	ND		2100	520	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Methylphenol	ND		4100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Nitroaniline	ND		4100	1100	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
4-Nitrophenol	ND		4100	1500	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Acenaphthene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #9, 3

Lab Sample ID: 480-163813-5

Date Collected: 12/05/19 12:30

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		2100	270	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Acetophenone	ND		2100	290	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Anthracene	ND		2100	520	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Atrazine	ND		2100	730	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Benzo[a]anthracene	ND		2100	210	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Benzo[a]pyrene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Benzo[b]fluoranthene	ND		2100	340	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Benzo[g,h,i]perylene	230	J	2100	220	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Benzo[k]fluoranthene	ND		2100	270	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Bis(2-chloroethyl)ether	ND		2100	270	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Bis(2-ethylhexyl) phthalate	ND		2100	720	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Caprolactam	ND		2100	630	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Carbazole	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Chrysene	ND		2100	470	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Dibenz(a,h)anthracene	ND		2100	370	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Diethyl phthalate	ND		2100	270	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Fluoranthene	ND		2100	220	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Fluorene	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Hexachloroethane	ND		2100	270	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Indeno[1,2,3-cd]pyrene	ND		2100	260	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Isophorone	ND		2100	450	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Naphthalene	ND		2100	270	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Nitrobenzene	ND		2100	240	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Pentachlorophenol	ND		4100	2100	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Phenanthrene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Phenol	ND		2100	320	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10
Pyrene	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 18:14	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		53 - 120	12/09/19 15:01	12/10/19 18:14	10
Phenol-d5 (Surr)	76		54 - 120	12/09/19 15:01	12/10/19 18:14	10
p-Terphenyl-d14 (Surr)	102		79 - 130	12/09/19 15:01	12/10/19 18:14	10
2,4,6-Tribromophenol (Surr)	111		54 - 120	12/09/19 15:01	12/10/19 18:14	10
2-Fluorobiphenyl	91		60 - 120	12/09/19 15:01	12/10/19 18:14	10
2-Fluorophenol (Surr)	74		52 - 120	12/09/19 15:01	12/10/19 18:14	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #9, 3

Date Collected: 12/05/19 12:30

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-5

Matrix: Solid

Percent Solids: 79.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.25	0.049	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1
PCB-1221	ND		0.25	0.049	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1
PCB-1232	ND		0.25	0.049	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1
PCB-1242	ND		0.25	0.049	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1
PCB-1248	ND		0.25	0.049	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1
PCB-1254	0.21	J	0.25	0.12	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1
PCB-1260	ND		0.25	0.12	mg/Kg	☼	12/09/19 07:45	12/10/19 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	12/09/19 07:45	12/10/19 12:30	1
Tetrachloro-m-xylene	88		60 - 154	12/09/19 07:45	12/10/19 12:30	1
DCB Decachlorobiphenyl	95		65 - 174	12/09/19 07:45	12/10/19 12:30	1
DCB Decachlorobiphenyl	78		65 - 174	12/09/19 07:45	12/10/19 12:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	73.8		2.6	0.52	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1
Barium	115		0.65	0.14	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1
Cadmium	0.79		0.26	0.039	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1
Chromium	16.4		0.65	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1
Lead	270		1.3	0.31	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1
Selenium	0.82	J	5.2	0.52	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1
Silver	ND		0.77	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 19:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.25		0.025	0.010	mg/Kg	☼	12/15/19 14:01	12/15/19 15:10	1

Client Sample ID: TP #1, 1-2

Date Collected: 12/05/19 08:04

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-6

Matrix: Solid

Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4	0.10	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,1,2,2-Tetrachloroethane	ND		1.4	0.23	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,1,2-Trichloroethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.4	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,1-Dichloroethane	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,1-Dichloroethene	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,2,4-Trichlorobenzene	ND		1.4	0.085	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,2-Dibromo-3-Chloropropane	ND		1.4	0.70	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,2-Dichlorobenzene	ND		1.4	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,2-Dichloroethane	ND		1.4	0.070	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,2-Dichloropropane	ND		1.4	0.70	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,3-Dichlorobenzene	ND		1.4	0.072	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,4-Dichlorobenzene	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
2-Butanone (MEK)	ND		7.0	0.51	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
2-Hexanone	ND		7.0	0.70	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		7.0	0.46	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Acetone	1.8	J	7.0	1.2	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #1, 1-2

Lab Sample ID: 480-163813-6

Date Collected: 12/05/19 08:04

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.4	0.068	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Bromodichloromethane	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Bromoform	ND		1.4	0.70	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Bromomethane	ND		1.4	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Carbon disulfide	ND		1.4	0.70	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Carbon tetrachloride	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Chlorobenzene	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Dibromochloromethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Chloroethane	ND		1.4	0.32	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Chloroform	ND		1.4	0.086	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Chloromethane	ND		1.4	0.084	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
cis-1,2-Dichloroethene	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
cis-1,3-Dichloropropene	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Cyclohexane	ND		1.4	0.20	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Dichlorodifluoromethane	ND		1.4	0.12	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Ethylbenzene	ND		1.4	0.096	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
1,2-Dibromoethane	ND		1.4	0.18	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Isopropylbenzene	ND		1.4	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Methyl acetate	ND		7.0	0.84	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Methyl tert-butyl ether	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Methylcyclohexane	ND		1.4	0.21	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Methylene Chloride	0.66	J	1.4	0.64	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Styrene	ND		1.4	0.070	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Tetrachloroethene	ND		1.4	0.19	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Toluene	ND		1.4	0.11	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
trans-1,2-Dichloroethene	ND		1.4	0.14	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
trans-1,3-Dichloropropene	ND		1.4	0.61	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Trichloroethene	ND		1.4	0.31	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Trichlorofluoromethane	ND		1.4	0.13	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Vinyl chloride	ND		1.4	0.17	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1
Xylenes, Total	ND		2.8	0.23	ug/Kg	☼	12/07/19 08:00	12/09/19 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		71 - 125	12/07/19 08:00	12/09/19 14:27	1
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	12/07/19 08:00	12/09/19 14:27	1
4-Bromofluorobenzene (Surr)	99		72 - 126	12/07/19 08:00	12/09/19 14:27	1
Dibromofluoromethane (Surr)	101		60 - 140	12/07/19 08:00	12/09/19 14:27	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		200	30	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
bis (2-chloroisopropyl) ether	ND		200	41	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,4,5-Trichlorophenol	ND		200	55	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,4,6-Trichlorophenol	ND		200	41	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,4-Dichlorophenol	ND		200	22	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,4-Dimethylphenol	ND		200	49	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,4-Dinitrophenol	ND		2000	940	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,4-Dinitrotoluene	ND		200	42	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2,6-Dinitrotoluene	ND		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2-Chloronaphthalene	ND		200	34	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #1, 1-2

Lab Sample ID: 480-163813-6

Date Collected: 12/05/19 08:04

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		400	37	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2-Methylphenol	ND		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2-Methylnaphthalene	ND		200	41	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2-Nitroaniline	ND		400	30	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
2-Nitrophenol	ND		200	58	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
3,3'-Dichlorobenzidine	ND		400	240	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
3-Nitroaniline	ND		400	57	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4,6-Dinitro-2-methylphenol	ND		400	200	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Bromophenyl phenyl ether	ND		200	29	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Chloro-3-methylphenol	ND		200	51	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Chloroaniline	ND		200	51	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Chlorophenyl phenyl ether	ND		200	25	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Methylphenol	ND		400	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Nitroaniline	ND		400	110	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
4-Nitrophenol	ND		400	140	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Acenaphthene	ND		200	30	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Acenaphthylene	63	J	200	26	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Acetophenone	ND		200	28	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Anthracene	62	J	200	51	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Atrazine	ND		200	71	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Benzaldehyde	ND		200	160	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Benzo[a]anthracene	320		200	20	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Benzo[a]pyrene	300		200	30	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Benzo[b]fluoranthene	380		200	32	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Benzo[g,h,i]perylene	210		200	22	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Benzo[k]fluoranthene	190	J	200	26	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Bis(2-chloroethoxy)methane	ND		200	43	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Bis(2-chloroethyl)ether	ND		200	26	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Bis(2-ethylhexyl) phthalate	ND		200	70	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Butyl benzyl phthalate	ND		200	34	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Caprolactam	ND		200	61	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Carbazole	25	J	200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Chrysene	340		200	46	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Dibenz(a,h)anthracene	82	J	200	36	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Di-n-butyl phthalate	ND		200	35	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Di-n-octyl phthalate	ND		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Dibenzofuran	ND		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Diethyl phthalate	ND		200	26	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Dimethyl phthalate	ND		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Fluoranthene	530		200	22	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Fluorene	ND		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Hexachlorobenzene	ND		200	28	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Hexachlorobutadiene	ND		200	30	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Hexachlorocyclopentadiene	ND		200	28	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Hexachloroethane	ND		200	26	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Indeno[1,2,3-cd]pyrene	190	J	200	25	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Isophorone	ND		200	43	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
N-Nitrosodi-n-propylamine	ND		200	35	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
N-Nitrosodiphenylamine	ND		200	170	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #1, 1-2

Lab Sample ID: 480-163813-6

Date Collected: 12/05/19 08:04

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		200	26	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Nitrobenzene	ND		200	23	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Pentachlorophenol	ND		400	200	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Phenanthrene	200		200	30	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Phenol	ND		200	31	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1
Pyrene	430		200	24	ug/Kg	☼	12/09/19 15:01	12/10/19 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		53 - 120	12/09/19 15:01	12/10/19 18:39	1
Phenol-d5 (Surr)	77		54 - 120	12/09/19 15:01	12/10/19 18:39	1
p-Terphenyl-d14 (Surr)	101		79 - 130	12/09/19 15:01	12/10/19 18:39	1
2,4,6-Tribromophenol (Surr)	105		54 - 120	12/09/19 15:01	12/10/19 18:39	1
2-Fluorobiphenyl	97		60 - 120	12/09/19 15:01	12/10/19 18:39	1
2-Fluorophenol (Surr)	77		52 - 120	12/09/19 15:01	12/10/19 18:39	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.22	0.043	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1
PCB-1221	ND		0.22	0.043	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1
PCB-1232	ND		0.22	0.043	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1
PCB-1242	ND		0.22	0.043	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1
PCB-1248	ND		0.22	0.043	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1
PCB-1254	ND		0.22	0.10	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1
PCB-1260	ND		0.22	0.10	mg/Kg	☼	12/09/19 07:45	12/10/19 12:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	12/09/19 07:45	12/10/19 12:43	1
Tetrachloro-m-xylene	87		60 - 154	12/09/19 07:45	12/10/19 12:43	1
DCB Decachlorobiphenyl	103		65 - 174	12/09/19 07:45	12/10/19 12:43	1
DCB Decachlorobiphenyl	77		65 - 174	12/09/19 07:45	12/10/19 12:43	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.4		2.3	0.46	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1
Barium	72.8		0.58	0.13	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1
Cadmium	0.51		0.23	0.035	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1
Chromium	10.9		0.58	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1
Lead	92.6		1.2	0.28	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1
Selenium	ND		4.6	0.46	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1
Silver	ND		0.69	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 19:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.10		0.025	0.010	mg/Kg	☼	12/15/19 14:01	12/15/19 15:14	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP9 SURFACE

Lab Sample ID: 480-163813-7

Date Collected: 12/05/19 12:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2000	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
bis (2-chloroisopropyl) ether	ND		2000	400	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,4,5-Trichlorophenol	ND		2000	540	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,4,6-Trichlorophenol	ND		2000	400	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,4-Dichlorophenol	ND		2000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,4-Dimethylphenol	ND		2000	480	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,4-Dinitrophenol	ND		20000	9300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,4-Dinitrotoluene	ND		2000	410	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2,6-Dinitrotoluene	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2-Chloronaphthalene	ND		2000	330	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2-Chlorophenol	ND		3900	370	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2-Methylphenol	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2-Methylnaphthalene	ND		2000	400	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2-Nitroaniline	ND		3900	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
2-Nitrophenol	ND		2000	570	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
3,3'-Dichlorobenzidine	ND		3900	2400	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
3-Nitroaniline	ND		3900	560	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4,6-Dinitro-2-methylphenol	ND		3900	2000	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Bromophenyl phenyl ether	ND		2000	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Chloro-3-methylphenol	ND		2000	500	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Chloroaniline	ND		2000	500	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Chlorophenyl phenyl ether	ND		2000	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Methylphenol	ND		3900	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Nitroaniline	ND		3900	1100	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
4-Nitrophenol	ND		3900	1400	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Acenaphthene	ND		2000	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Acenaphthylene	ND		2000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Acetophenone	ND		2000	270	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Anthracene	ND		2000	500	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Atrazine	ND		2000	700	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Benzaldehyde	ND		2000	1600	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Benzo[a]anthracene	590	J	2000	200	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Benzo[a]pyrene	460	J	2000	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Benzo[b]fluoranthene	660	J	2000	320	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Benzo[g,h,i]perylene	490	J	2000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Benzo[k]fluoranthene	290	J	2000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Bis(2-chloroethoxy)methane	ND		2000	430	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Bis(2-chloroethyl)ether	ND		2000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Bis(2-ethylhexyl) phthalate	ND		2000	680	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Butyl benzyl phthalate	ND		2000	330	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Caprolactam	ND		2000	600	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Carbazole	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Chrysene	630	J	2000	450	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Dibenz(a,h)anthracene	ND		2000	350	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Di-n-butyl phthalate	ND		2000	340	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Di-n-octyl phthalate	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Dibenzofuran	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Diethyl phthalate	ND		2000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Dimethyl phthalate	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP9 SURFACE

Lab Sample ID: 480-163813-7

Date Collected: 12/05/19 12:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	830	J	2000	210	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Fluorene	ND		2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Hexachlorobenzene	ND		2000	270	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Hexachlorobutadiene	ND		2000	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Hexachlorocyclopentadiene	ND		2000	270	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Hexachloroethane	ND		2000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Indeno[1,2,3-cd]pyrene	400	J	2000	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Isophorone	ND		2000	430	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
N-Nitrosodi-n-propylamine	ND		2000	340	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
N-Nitrosodiphenylamine	ND		2000	1600	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Naphthalene	ND		2000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Nitrobenzene	ND		2000	220	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Pentachlorophenol	ND		3900	2000	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Phenanthrene	310	J	2000	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Phenol	ND		2000	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10
Pyrene	670	J	2000	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	80		53 - 120	12/09/19 15:01	12/10/19 19:05	10
Phenol-d5 (Surr)	78		54 - 120	12/09/19 15:01	12/10/19 19:05	10
p-Terphenyl-d14 (Surr)	103		79 - 130	12/09/19 15:01	12/10/19 19:05	10
2,4,6-Tribromophenol (Surr)	113		54 - 120	12/09/19 15:01	12/10/19 19:05	10
2-Fluorobiphenyl	94		60 - 120	12/09/19 15:01	12/10/19 19:05	10
2-Fluorophenol (Surr)	83		52 - 120	12/09/19 15:01	12/10/19 19:05	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1
PCB-1221	ND		0.24	0.047	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1
PCB-1232	ND		0.24	0.047	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1
PCB-1242	ND		0.24	0.047	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1
PCB-1248	ND		0.24	0.047	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1
PCB-1254	0.96		0.24	0.11	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1
PCB-1260	ND		0.24	0.11	mg/Kg	☼	12/09/19 07:45	12/10/19 12:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	12/09/19 07:45	12/10/19 12:55	1
Tetrachloro-m-xylene	92		60 - 154	12/09/19 07:45	12/10/19 12:55	1
DCB Decachlorobiphenyl	97		65 - 174	12/09/19 07:45	12/10/19 12:55	1
DCB Decachlorobiphenyl	80		65 - 174	12/09/19 07:45	12/10/19 12:55	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	72.1		2.3	0.47	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1
Barium	107		0.59	0.13	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1
Cadmium	0.78		0.23	0.035	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1
Chromium	17.3		0.59	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1
Lead	222		1.2	0.28	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1
Selenium	ND		4.7	0.47	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1
Silver	ND		0.70	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 19:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP9 SURFACE

Date Collected: 12/05/19 12:10

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-7

Matrix: Solid

Percent Solids: 84.3

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.024	0.0099	mg/Kg	☼	12/15/19 14:01	12/15/19 15:15	1

Client Sample ID: CHURCHSTREET BAYAREA

Date Collected: 12/05/19 13:00

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-8

Matrix: Solid

Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
bis (2-chloroisopropyl) ether	ND		2100	430	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,4,5-Trichlorophenol	ND		2100	580	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,4,6-Trichlorophenol	ND		2100	430	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,4-Dichlorophenol	ND		2100	230	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,4-Dimethylphenol	ND		2100	520	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,4-Dinitrophenol	ND		21000	9900	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,4-Dinitrotoluene	ND		2100	440	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2,6-Dinitrotoluene	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2-Chloronaphthalene	ND		2100	350	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2-Chlorophenol	ND		4200	390	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2-Methylphenol	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2-Methylnaphthalene	ND		2100	430	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2-Nitroaniline	ND		4200	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
2-Nitrophenol	ND		2100	600	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
3,3'-Dichlorobenzidine	ND		4200	2500	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
3-Nitroaniline	ND		4200	590	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4,6-Dinitro-2-methylphenol	ND		4200	2100	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Bromophenyl phenyl ether	ND		2100	300	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Chloro-3-methylphenol	ND		2100	530	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Chloroaniline	ND		2100	530	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Chlorophenyl phenyl ether	ND		2100	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Methylphenol	ND		4200	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Nitroaniline	ND		4200	1100	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
4-Nitrophenol	ND		4200	1500	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Acenaphthene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Acenaphthylene	ND		2100	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Acetophenone	ND		2100	290	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Anthracene	ND		2100	530	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Atrazine	ND		2100	740	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Benzaldehyde	ND		2100	1700	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Benzo[a]anthracene	ND		2100	210	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Benzo[a]pyrene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Benzo[b]fluoranthene	520	J	2100	340	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Benzo[g,h,i]perylene	330	J	2100	230	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Benzo[k]fluoranthene	ND		2100	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Bis(2-chloroethoxy)methane	ND		2100	450	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Bis(2-chloroethyl)ether	ND		2100	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Bis(2-ethylhexyl) phthalate	ND		2100	730	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Butyl benzyl phthalate	ND		2100	350	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Caprolactam	ND		2100	640	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Carbazole	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: CHURCHSTREET BAYAREA

Lab Sample ID: 480-163813-8

Date Collected: 12/05/19 13:00

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 78.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		2100	480	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Dibenz(a,h)anthracene	ND		2100	380	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Di-n-butyl phthalate	ND		2100	360	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Di-n-octyl phthalate	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Dibenzofuran	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Diethyl phthalate	ND		2100	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Dimethyl phthalate	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Fluoranthene	510	J	2100	230	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Fluorene	ND		2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Hexachlorobenzene	ND		2100	290	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Hexachlorobutadiene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Hexachlorocyclopentadiene	ND		2100	290	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Hexachloroethane	ND		2100	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Indeno[1,2,3-cd]pyrene	280	J	2100	260	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Isophorone	ND		2100	450	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
N-Nitrosodi-n-propylamine	ND		2100	360	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
N-Nitrosodiphenylamine	ND		2100	1700	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Naphthalene	ND		2100	280	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Nitrobenzene	ND		2100	240	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Pentachlorophenol	ND		4200	2100	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Phenanthrene	ND		2100	310	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Phenol	ND		2100	330	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10
Pyrene	490	J	2100	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:30	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	87		53 - 120	12/09/19 15:01	12/10/19 19:30	10
Phenol-d5 (Surr)	76		54 - 120	12/09/19 15:01	12/10/19 19:30	10
p-Terphenyl-d14 (Surr)	105		79 - 130	12/09/19 15:01	12/10/19 19:30	10
2,4,6-Tribromophenol (Surr)	118		54 - 120	12/09/19 15:01	12/10/19 19:30	10
2-Fluorobiphenyl	90		60 - 120	12/09/19 15:01	12/10/19 19:30	10
2-Fluorophenol (Surr)	75		52 - 120	12/09/19 15:01	12/10/19 19:30	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1
PCB-1221	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1
PCB-1232	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1
PCB-1242	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1
PCB-1248	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	12/09/19 07:45	12/10/19 13:08	1
Tetrachloro-m-xylene	83		60 - 154	12/09/19 07:45	12/10/19 13:08	1
DCB Decachlorobiphenyl	85		65 - 174	12/09/19 07:45	12/10/19 13:08	1
DCB Decachlorobiphenyl	68		65 - 174	12/09/19 07:45	12/10/19 13:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: CHURCHSTREET BAYAREA

Lab Sample ID: 480-163813-8

Date Collected: 12/05/19 13:00

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 78.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.8		2.5	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1
Barium	110		0.62	0.14	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1
Cadmium	0.40		0.25	0.037	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1
Chromium	14.5		0.62	0.25	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1
Lead	121		1.2	0.30	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1
Selenium	ND		4.9	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1
Silver	ND		0.74	0.25	mg/Kg	☼	12/10/19 14:13	12/11/19 19:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.17		0.024	0.0097	mg/Kg	☼	12/15/19 14:01	12/15/19 15:17	1

Client Sample ID: UST PARKING AREA

Lab Sample ID: 480-163813-9

Date Collected: 12/05/19 13:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
bis (2-chloroisopropyl) ether	ND		210	43	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,4,5-Trichlorophenol	ND		210	58	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,4,6-Trichlorophenol	ND		210	43	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,4-Dichlorophenol	ND		210	23	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,4-Dimethylphenol	ND		210	52	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,4-Dinitrophenol	ND		2100	990	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,4-Dinitrotoluene	ND		210	44	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2,6-Dinitrotoluene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2-Chloronaphthalene	ND		210	35	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2-Chlorophenol	ND		420	39	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2-Methylphenol	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2-Methylnaphthalene	ND		210	43	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2-Nitroaniline	ND		420	32	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
2-Nitrophenol	ND		210	61	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
3,3'-Dichlorobenzidine	ND		420	250	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
3-Nitroaniline	ND		420	59	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4,6-Dinitro-2-methylphenol	ND		420	210	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Bromophenyl phenyl ether	ND		210	30	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Chloro-3-methylphenol	ND		210	53	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Chloroaniline	ND		210	53	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Chlorophenyl phenyl ether	ND		210	26	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Methylphenol	ND		420	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Nitroaniline	ND		420	110	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
4-Nitrophenol	ND		420	150	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Acenaphthene	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Acenaphthylene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Acetophenone	ND		210	29	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Anthracene	ND		210	53	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Atrazine	ND		210	74	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Benzaldehyde	ND		210	170	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Benzo[a]anthracene	ND		210	21	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: UST PARKING AREA

Lab Sample ID: 480-163813-9

Date Collected: 12/05/19 13:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 78.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Benzo[b]fluoranthene	ND		210	34	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Benzo[g,h,i]perylene	ND		210	23	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Benzo[k]fluoranthene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Bis(2-chloroethoxy)methane	ND		210	45	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Bis(2-chloroethyl)ether	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Bis(2-ethylhexyl) phthalate	ND		210	73	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Butyl benzyl phthalate	ND		210	35	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Caprolactam	ND		210	64	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Carbazole	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Chrysene	ND		210	48	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Dibenz(a,h)anthracene	ND		210	38	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Di-n-butyl phthalate	ND		210	37	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Di-n-octyl phthalate	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Dibenzofuran	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Diethyl phthalate	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Dimethyl phthalate	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Fluoranthene	ND		210	23	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Fluorene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Hexachlorobenzene	ND		210	29	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Hexachlorobutadiene	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Hexachlorocyclopentadiene	ND		210	29	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Hexachloroethane	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Indeno[1,2,3-cd]pyrene	ND		210	26	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Isophorone	ND		210	45	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
N-Nitrosodi-n-propylamine	ND		210	37	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
N-Nitrosodiphenylamine	ND		210	170	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Naphthalene	ND		210	28	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Nitrobenzene	ND		210	24	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Pentachlorophenol	ND		420	210	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Phenanthrene	ND		210	32	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Phenol	ND		210	33	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1
Pyrene	ND		210	25	ug/Kg	☼	12/09/19 15:01	12/10/19 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	86		53 - 120	12/09/19 15:01	12/10/19 19:56	1
Phenol-d5 (Surr)	77		54 - 120	12/09/19 15:01	12/10/19 19:56	1
p-Terphenyl-d14 (Surr)	103		79 - 130	12/09/19 15:01	12/10/19 19:56	1
2,4,6-Tribromophenol (Surr)	101		54 - 120	12/09/19 15:01	12/10/19 19:56	1
2-Fluorobiphenyl	96		60 - 120	12/09/19 15:01	12/10/19 19:56	1
2-Fluorophenol (Surr)	82		52 - 120	12/09/19 15:01	12/10/19 19:56	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1
PCB-1221	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1
PCB-1232	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1
PCB-1242	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1
PCB-1248	ND		0.30	0.058	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: UST PARKING AREA

Lab Sample ID: 480-163813-9

Date Collected: 12/05/19 13:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 78.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.30	0.14	mg/Kg	☼	12/09/19 07:45	12/10/19 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154				12/09/19 07:45	12/10/19 13:21	1
Tetrachloro-m-xylene	93		60 - 154				12/09/19 07:45	12/10/19 13:21	1
DCB Decachlorobiphenyl	105		65 - 174				12/09/19 07:45	12/10/19 13:21	1
DCB Decachlorobiphenyl	83		65 - 174				12/09/19 07:45	12/10/19 13:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.2		2.4	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1
Barium	53.8		0.61	0.13	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1
Cadmium	0.082	J	0.24	0.037	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1
Chromium	9.6		0.61	0.24	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1
Lead	12.8		1.2	0.29	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1
Selenium	ND		4.9	0.49	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1
Silver	ND		0.73	0.24	mg/Kg	☼	12/10/19 14:13	12/11/19 19:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.024	0.0098	mg/Kg	☼	12/15/19 14:01	12/15/19 15:18	1

Client Sample ID: SAMPLE 1UST

Lab Sample ID: 480-163813-10

Date Collected: 12/04/19 10:43

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	2200		240	67	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
1,3,5-Trimethylbenzene	820		240	73	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
4-Isopropyltoluene	170	J	240	82	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Benzene	ND		240	46	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Ethylbenzene	460		240	70	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Isopropylbenzene	190	J	240	36	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Methyl tert-butyl ether	ND		240	91	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
m-Xylene & p-Xylene	1400		480	130	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Naphthalene	710		240	82	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
n-Butylbenzene	ND		240	71	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
N-Propylbenzene	380		240	63	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
o-Xylene	560		240	31	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
sec-Butylbenzene	110	J	240	89	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
tert-Butylbenzene	ND		240	67	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Toluene	89	J	240	65	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Xylenes, Total	2000		480	130	ug/Kg	☼	12/11/19 09:08	12/12/19 13:25	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146				12/11/19 09:08	12/12/19 13:25	10
4-Bromofluorobenzene (Surr)	109		49 - 148				12/11/19 09:08	12/12/19 13:25	10
Dibromofluoromethane (Surr)	103		60 - 140				12/11/19 09:08	12/12/19 13:25	10
Toluene-d8 (Surr)	98		50 - 149				12/11/19 09:08	12/12/19 13:25	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 1UST

Lab Sample ID: 480-163813-10

Date Collected: 12/04/19 10:43

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 85.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	29	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Acenaphthylene	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Anthracene	ND		190	48	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Benzo[a]anthracene	ND		190	19	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Benzo[a]pyrene	ND		190	29	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Benzo[b]fluoranthene	ND		190	31	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Benzo[g,h,i]perylene	ND		190	21	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Benzo[k]fluoranthene	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Chrysene	ND		190	44	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Dibenz(a,h)anthracene	ND		190	34	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Fluoranthene	ND		190	21	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Fluorene	ND		190	23	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Indeno[1,2,3-cd]pyrene	ND		190	24	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Naphthalene	210		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Pyrene	ND		190	23	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1
Phenanthrene	ND		190	29	ug/Kg	☼	12/09/19 15:01	12/10/19 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		54 - 120	12/09/19 15:01	12/10/19 20:21	1
2-Fluorobiphenyl	78		60 - 120	12/09/19 15:01	12/10/19 20:21	1
2-Fluorophenol (Surr)	62		52 - 120	12/09/19 15:01	12/10/19 20:21	1
Phenol-d5 (Surr)	62		54 - 120	12/09/19 15:01	12/10/19 20:21	1
p-Terphenyl-d14 (Surr)	92		79 - 130	12/09/19 15:01	12/10/19 20:21	1
Nitrobenzene-d5 (Surr)	72		53 - 120	12/09/19 15:01	12/10/19 20:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		2.2	0.44	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1
Barium	81.0		0.55	0.12	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1
Cadmium	ND		0.22	0.033	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1
Chromium	20.0		0.55	0.22	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1
Lead	19.2		1.1	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1
Selenium	ND		4.4	0.44	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1
Silver	ND		0.66	0.22	mg/Kg	☼	12/10/19 14:13	12/11/19 19:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023	0.0095	mg/Kg	☼	12/15/19 14:01	12/15/19 15:19	1

Client Sample ID: SAMPLE 2UST

Lab Sample ID: 480-163813-11

Date Collected: 12/04/19 12:25

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	7600		310	85	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
1,3,5-Trimethylbenzene	2200		310	92	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
4-Isopropyltoluene	ND		310	100	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
Benzene	1400		310	58	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
Ethylbenzene	3400		310	89	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
Isopropylbenzene	540		310	46	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 2UST

Lab Sample ID: 480-163813-11

Date Collected: 12/04/19 12:25

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		310	120	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
m-Xylene & p-Xylene	15000		610	170	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
Naphthalene	950		310	100	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
n-Butylbenzene	ND		310	89	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
N-Propylbenzene	1200		310	80	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
o-Xylene	6100		310	40	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
sec-Butylbenzene	150	J	310	110	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
tert-Butylbenzene	ND		310	85	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
Toluene	9300		310	82	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20
Xylenes, Total	21000		610	170	ug/Kg	☼	12/11/19 09:08	12/12/19 13:49	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		53 - 146	12/11/19 09:08	12/12/19 13:49	20
4-Bromofluorobenzene (Surr)	104		49 - 148	12/11/19 09:08	12/12/19 13:49	20
Dibromofluoromethane (Surr)	107		60 - 140	12/11/19 09:08	12/12/19 13:49	20
Toluene-d8 (Surr)	93		50 - 149	12/11/19 09:08	12/12/19 13:49	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Acenaphthylene	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Anthracene	ND		190	47	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Benzo[a]anthracene	ND		190	19	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Benzo[a]pyrene	ND		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Benzo[b]fluoranthene	ND		190	30	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Benzo[g,h,i]perylene	20	J	190	20	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Benzo[k]fluoranthene	ND		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Chrysene	ND		190	43	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Dibenz(a,h)anthracene	ND		190	34	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Fluoranthene	27	J	190	20	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Fluorene	ND		190	23	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Indeno[1,2,3-cd]pyrene	ND		190	24	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Naphthalene	1600		190	25	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Pyrene	24	J	190	23	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1
Phenanthrene	ND		190	28	ug/Kg	☼	12/09/19 15:01	12/10/19 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	96		54 - 120	12/09/19 15:01	12/10/19 20:46	1
2-Fluorobiphenyl	87		60 - 120	12/09/19 15:01	12/10/19 20:46	1
2-Fluorophenol (Surr)	74		52 - 120	12/09/19 15:01	12/10/19 20:46	1
Phenol-d5 (Surr)	77		54 - 120	12/09/19 15:01	12/10/19 20:46	1
p-Terphenyl-d14 (Surr)	103		79 - 130	12/09/19 15:01	12/10/19 20:46	1
Nitrobenzene-d5 (Surr)	87		53 - 120	12/09/19 15:01	12/10/19 20:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.6		2.3	0.46	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1
Barium	54.2		0.58	0.13	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1
Cadmium	0.28		0.23	0.035	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1
Chromium	13.8		0.58	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 2UST

Date Collected: 12/04/19 12:25

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-11

Matrix: Solid

Percent Solids: 87.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24.1		1.2	0.28	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1
Selenium	ND		4.6	0.46	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1
Silver	0.31	J	0.70	0.23	mg/Kg	☼	12/10/19 14:13	12/11/19 20:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.022	0.0089	mg/Kg	☼	12/15/19 14:01	12/15/19 15:21	1

Client Sample ID: SAMPLE 3UST

Date Collected: 12/04/19 14:23

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-12

Matrix: Solid

Percent Solids: 75.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	3300		370	100	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
1,3,5-Trimethylbenzene	1100		370	110	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
4-Isopropyltoluene	170	J	370	130	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Benzene	ND		370	71	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Ethylbenzene	340	J	370	110	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Isopropylbenzene	150	J	370	56	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Methyl tert-butyl ether	ND		370	140	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
m-Xylene & p-Xylene	1200		740	210	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Naphthalene	530		370	130	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
n-Butylbenzene	ND		370	110	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
N-Propylbenzene	410		370	98	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
o-Xylene	480		370	48	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
sec-Butylbenzene	140	J	370	140	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
tert-Butylbenzene	ND		370	100	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Toluene	ND		370	100	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10
Xylenes, Total	1700		740	210	ug/Kg	☼	12/11/19 09:08	12/12/19 14:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	12/11/19 09:08	12/12/19 14:13	10
4-Bromofluorobenzene (Surr)	104		49 - 148	12/11/19 09:08	12/12/19 14:13	10
Dibromofluoromethane (Surr)	105		60 - 140	12/11/19 09:08	12/12/19 14:13	10
Toluene-d8 (Surr)	94		50 - 149	12/11/19 09:08	12/12/19 14:13	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		220	33	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Acenaphthylene	ND		220	29	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Anthracene	ND		220	55	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Benzo[a]anthracene	85	J	220	22	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Benzo[a]pyrene	76	J	220	33	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Benzo[b]fluoranthene	98	J	220	35	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Benzo[g,h,i]perylene	57	J	220	24	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Benzo[k]fluoranthene	ND		220	29	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Chrysene	92	J	220	50	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Dibenz(a,h)anthracene	ND		220	39	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Fluoranthene	130	J	220	24	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Fluorene	ND		220	26	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 3UST

Lab Sample ID: 480-163813-12

Date Collected: 12/04/19 14:23

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 75.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	58	J	220	28	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Naphthalene	700		220	29	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Pyrene	110	J	220	26	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Phenanthrene	50	J	220	33	ug/Kg	☼	12/09/19 15:01	12/10/19 21:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	107		54 - 120				12/09/19 15:01	12/10/19 21:11	1
2-Fluorobiphenyl	91		60 - 120				12/09/19 15:01	12/10/19 21:11	1
2-Fluorophenol (Surr)	75		52 - 120				12/09/19 15:01	12/10/19 21:11	1
Phenol-d5 (Surr)	75		54 - 120				12/09/19 15:01	12/10/19 21:11	1
p-Terphenyl-d14 (Surr)	108		79 - 130				12/09/19 15:01	12/10/19 21:11	1
Nitrobenzene-d5 (Surr)	89		53 - 120				12/09/19 15:01	12/10/19 21:11	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.0		2.6	0.53	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1
Barium	92.1		0.66	0.15	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1
Cadmium	0.35		0.26	0.040	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1
Chromium	18.5		0.66	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1
Lead	23.8		1.3	0.32	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1
Selenium	0.81	J	5.3	0.53	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1
Silver	0.26	J	0.79	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 20:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.027	0.011	mg/Kg	☼	12/15/19 14:01	12/15/19 15:22	1

Client Sample ID: SAMPLE 4UST

Lab Sample ID: 480-163813-13

Date Collected: 12/04/19 13:52

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	88	J	110	31	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
1,3,5-Trimethylbenzene	170		110	34	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
4-Isopropyltoluene	90	J	110	38	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Benzene	ND		110	21	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Ethylbenzene	140		110	33	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Isopropylbenzene	84	J	110	17	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Methyl tert-butyl ether	ND		110	42	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
m-Xylene & p-Xylene	100	J	220	62	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Naphthalene	200		110	38	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
n-Butylbenzene	ND		110	33	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
N-Propylbenzene	200		110	29	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
o-Xylene	15	J	110	15	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
sec-Butylbenzene	88	J	110	41	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
tert-Butylbenzene	ND		110	31	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Toluene	ND		110	30	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4
Xylenes, Total	120	J	220	62	ug/Kg	☼	12/11/19 09:08	12/12/19 14:37	4

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 4UST

Lab Sample ID: 480-163813-13

Date Collected: 12/04/19 13:52

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		53 - 146	12/11/19 09:08	12/12/19 14:37	4
4-Bromofluorobenzene (Surr)	102		49 - 148	12/11/19 09:08	12/12/19 14:37	4
Dibromofluoromethane (Surr)	110		60 - 140	12/11/19 09:08	12/12/19 14:37	4
Toluene-d8 (Surr)	95		50 - 149	12/11/19 09:08	12/12/19 14:37	4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Acenaphthylene	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Anthracene	ND		1000	260	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Benzo[a]anthracene	ND		1000	100	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Benzo[a]pyrene	ND		1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Benzo[b]fluoranthene	ND		1000	160	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Benzo[g,h,i]perylene	140	J	1000	110	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Benzo[k]fluoranthene	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Chrysene	ND		1000	230	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Dibenz(a,h)anthracene	ND		1000	180	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Fluoranthene	250	J	1000	110	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Fluorene	ND		1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Indeno[1,2,3-cd]pyrene	ND		1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Naphthalene	700	J	1000	130	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Pyrene	190	J	1000	120	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5
Phenanthrene	ND		1000	150	ug/Kg	☼	12/09/19 15:01	12/10/19 21:35	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	12/09/19 15:01	12/10/19 21:35	5
2-Fluorobiphenyl	92		60 - 120	12/09/19 15:01	12/10/19 21:35	5
2-Fluorophenol (Surr)	77		52 - 120	12/09/19 15:01	12/10/19 21:35	5
Phenol-d5 (Surr)	78		54 - 120	12/09/19 15:01	12/10/19 21:35	5
p-Terphenyl-d14 (Surr)	110		79 - 130	12/09/19 15:01	12/10/19 21:35	5
Nitrobenzene-d5 (Surr)	93		53 - 120	12/09/19 15:01	12/10/19 21:35	5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.2		2.6	0.52	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1
Barium	89.0		0.65	0.14	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1
Cadmium	0.22	J	0.26	0.039	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1
Chromium	16.0		0.65	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1
Lead	41.6		1.3	0.31	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1
Selenium	0.53	J	5.2	0.52	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1
Silver	ND		0.78	0.26	mg/Kg	☼	12/10/19 14:13	12/11/19 20:09	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11		0.025	0.010	mg/Kg	☼	12/15/19 14:01	12/15/19 15:23	1

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (71-125)	DCA (64-126)	BFB (72-126)	DBFM (60-140)
480-163813-1	TP #4, 1-2	97	112	92	100
480-163813-2	TP #3, 2-3	99	115	93	102
480-163813-3	TP #5, 1-2	105	110	85	103
480-163813-3 MS	TP #5, 1-2	93	101	86	99
480-163813-3 MSD	TP #5, 1-2	102	101	86	102
480-163813-4	TP #6, 3-4	94	110	93	102
480-163813-5	TP #9, 3	94	114	90	103
480-163813-6	TP #1, 1-2	97	111	99	101
LCS 480-508768/1-A	Lab Control Sample	95	106	102	99
LCS 480-509017/1-A	Lab Control Sample	91	102	98	96
MB 480-508768/2-A	Method Blank	96	107	101	99
MB 480-509017/2-A	Method Blank	96	108	95	98

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 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)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (53-146)	BFB (49-148)	TOL (50-149)	DBFM (60-140)
480-163813-10	SAMPLE 1UST	106	109	98	103
480-163813-11	SAMPLE 2UST	110	104	93	107
480-163813-12	SAMPLE 3UST	103	104	94	105
480-163813-13	SAMPLE 4UST	108	102	95	110
LCS 480-509237/1-A	Lab Control Sample	114	109	97	109
MB 480-509237/2-A	Method Blank	105	107	96	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-163813-1	TP #4, 1-2	81	72	112	105	94	69
480-163813-2	TP #3, 2-3	92	81	109	103	99	82
480-163813-3	TP #5, 1-2	81	72	100	97	89	70
480-163813-3 MS	TP #5, 1-2	85	78	98	107	91	76
480-163813-3 MSD	TP #5, 1-2	61	58	97	103	83	47 X
480-163813-4	TP #6, 3-4	80	72	99	104	89	69
480-163813-5	TP #9, 3	82	76	102	111	91	74

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)	TBP (54-120)	FBP (60-120)	2FP (52-120)
480-163813-6	TP #1, 1-2	87	77	101	105	97	77
480-163813-7	TP9 SURFACE	80	78	103	113	94	83
480-163813-8	CHURCHSTREET BAYAREA	87	76	105	118	90	75
480-163813-9	UST PARKING AREA	86	77	103	101	96	82
480-163813-10	SAMPLE 1UST	72	62	92	89	78	62
480-163813-11	SAMPLE 2UST	87	77	103	96	87	74
480-163813-12	SAMPLE 3UST	89	75	108	107	91	75
480-163813-13	SAMPLE 4UST	93	78	110	98	92	77
LCS 480-508877/2-A	Lab Control Sample	78	66	100	96	87	68
MB 480-508877/1-A	Method Blank	83	75	105	87	88	74

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-163813-1	TP #4, 1-2	102	86	97	74
480-163813-2	TP #3, 2-3	103	91	101	78
480-163813-3	TP #5, 1-2	94	82	94	76
480-163813-3 MS	TP #5, 1-2	115	103	113	96
480-163813-3 MSD	TP #5, 1-2	124	100	113	94
480-163813-4	TP #6, 3-4	101	87	98	77
480-163813-5	TP #9, 3	99	88	95	78
480-163813-6	TP #1, 1-2	102	87	103	77
480-163813-7	TP9 SURFACE	103	92	97	80
480-163813-8	CHURCHSTREET BAYAREA	102	83	85	68
480-163813-9	UST PARKING AREA	106	93	105	83
LCS 480-508728/2-A	Lab Control Sample	138	116	137	116
MB 480-508728/1-A	Method Blank	100	92	101	87

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-508768/2-A

Matrix: Solid

Analysis Batch: 508746

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 508768

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,1,1,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
2-Hexanone	ND		25	2.5	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Acetone	ND		25	4.2	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Benzene	ND		5.0	0.25	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Bromoform	ND		5.0	2.5	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Bromomethane	ND		5.0	0.45	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Chloroethane	ND		5.0	1.1	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Chloroform	ND		5.0	0.31	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Chloromethane	ND		5.0	0.30	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Cyclohexane	ND		5.0	0.70	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Methyl acetate	ND		25	3.0	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Styrene	ND		5.0	0.25	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Toluene	ND		5.0	0.38	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Trichloroethene	ND		5.0	1.1	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		12/09/19 08:51	12/09/19 11:54	1
Xylenes, Total	ND		10	0.84	ug/Kg		12/09/19 08:51	12/09/19 11:54	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-508768/2-A
Matrix: Solid
Analysis Batch: 508746

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508768

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	96		71 - 125	12/09/19 08:51	12/09/19 11:54	1
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	12/09/19 08:51	12/09/19 11:54	1
4-Bromofluorobenzene (Surr)	101		72 - 126	12/09/19 08:51	12/09/19 11:54	1
Dibromofluoromethane (Surr)	99		60 - 140	12/09/19 08:51	12/09/19 11:54	1

Lab Sample ID: LCS 480-508768/1-A
Matrix: Solid
Analysis Batch: 508746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	50.0	45.0		ug/Kg		90	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/Kg		102	80 - 120
1,1,2-Trichloroethane	50.0	51.5		ug/Kg		103	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.1		ug/Kg		90	60 - 140
1,1-Dichloroethane	50.0	46.9		ug/Kg		94	73 - 126
1,1-Dichloroethene	50.0	42.6		ug/Kg		85	59 - 125
1,2,4-Trichlorobenzene	50.0	48.0		ug/Kg		96	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.4		ug/Kg		101	63 - 124
1,2-Dichlorobenzene	50.0	46.7		ug/Kg		93	75 - 120
1,2-Dichloroethane	50.0	48.9		ug/Kg		98	77 - 122
1,2-Dichloropropane	50.0	48.2		ug/Kg		96	75 - 124
1,3-Dichlorobenzene	50.0	45.7		ug/Kg		91	74 - 120
1,4-Dichlorobenzene	50.0	45.4		ug/Kg		91	73 - 120
2-Butanone (MEK)	250	317		ug/Kg		127	70 - 134
2-Hexanone	250	302		ug/Kg		121	59 - 130
4-Methyl-2-pentanone (MIBK)	250	289		ug/Kg		115	65 - 133
Acetone	250	279		ug/Kg		112	61 - 137
Benzene	50.0	46.7		ug/Kg		93	79 - 127
Bromodichloromethane	50.0	46.3		ug/Kg		93	80 - 122
Bromoform	50.0	51.5		ug/Kg		103	68 - 126
Bromomethane	50.0	53.3		ug/Kg		107	37 - 149
Carbon disulfide	50.0	50.0		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	43.9		ug/Kg		88	75 - 135
Chlorobenzene	50.0	45.0		ug/Kg		90	76 - 124
Dibromochloromethane	50.0	47.3		ug/Kg		95	76 - 125
Chloroethane	50.0	51.8		ug/Kg		104	69 - 135
Chloroform	50.0	44.0		ug/Kg		88	80 - 120
Chloromethane	50.0	52.3		ug/Kg		105	63 - 127
cis-1,2-Dichloroethene	50.0	46.8		ug/Kg		94	81 - 120
cis-1,3-Dichloropropene	50.0	46.2		ug/Kg		92	80 - 120
Cyclohexane	50.0	45.5		ug/Kg		91	65 - 120
Dichlorodifluoromethane	50.0	45.9		ug/Kg		92	57 - 142
Ethylbenzene	50.0	45.1		ug/Kg		90	80 - 120
1,2-Dibromoethane	50.0	49.7		ug/Kg		99	78 - 120
Isopropylbenzene	50.0	41.7		ug/Kg		83	72 - 120
Methyl acetate	100	108		ug/Kg		108	55 - 136
Methyl tert-butyl ether	50.0	47.4		ug/Kg		95	63 - 125
Methylcyclohexane	50.0	44.0		ug/Kg		88	60 - 140

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-508768/1-A
Matrix: Solid
Analysis Batch: 508746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	45.0		ug/Kg		90	61 - 127
Styrene	50.0	44.9		ug/Kg		90	80 - 120
Tetrachloroethene	50.0	46.0		ug/Kg		92	74 - 122
Toluene	50.0	44.6		ug/Kg		89	74 - 128
trans-1,2-Dichloroethene	50.0	46.9		ug/Kg		94	78 - 126
trans-1,3-Dichloropropene	50.0	48.3		ug/Kg		97	73 - 123
Trichloroethene	50.0	45.8		ug/Kg		92	77 - 129
Trichlorofluoromethane	50.0	47.4		ug/Kg		95	65 - 146
Vinyl chloride	50.0	50.3		ug/Kg		101	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	95		71 - 125
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: 480-163813-3 MS
Matrix: Solid
Analysis Batch: 508746

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1	21.1	14.1	F1	ug/Kg	☼	67	77 - 121
1,1,2,2-Tetrachloroethane	ND	F1	21.1	15.3	F1	ug/Kg	☼	73	80 - 120
1,1,2-Trichloroethane	ND	F1	21.1	12.3	F1	ug/Kg	☼	58	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		21.1	15.5		ug/Kg	☼	74	60 - 140
1,1-Dichloroethane	ND	F1	21.1	14.6	F1	ug/Kg	☼	69	73 - 126
1,1-Dichloroethene	ND	F1	21.1	11.9	F1	ug/Kg	☼	56	59 - 125
1,2,4-Trichlorobenzene	ND	F1	21.1	2.10	F1	ug/Kg	☼	10	64 - 120
1,2-Dibromo-3-Chloropropane	ND	F1	21.1	9.62	F1	ug/Kg	☼	46	63 - 124
1,2-Dichlorobenzene	ND	F1	21.1	5.50	F1	ug/Kg	☼	26	75 - 120
1,2-Dichloroethane	ND	F1	21.1	12.0	F1	ug/Kg	☼	57	77 - 122
1,2-Dichloropropane	ND	F1	21.1	13.6	F1	ug/Kg	☼	65	75 - 124
1,3-Dichlorobenzene	ND	F1	21.1	4.87	F1	ug/Kg	☼	23	74 - 120
1,4-Dichlorobenzene	ND	F1	21.1	4.29	F1	ug/Kg	☼	20	73 - 120
2-Butanone (MEK)	2.0	J	105	75.3		ug/Kg	☼	70	70 - 134
2-Hexanone	ND	F1	105	58.6	F1	ug/Kg	☼	56	59 - 130
4-Methyl-2-pentanone (MIBK)	ND		105	80.6		ug/Kg	☼	77	65 - 133
Acetone	15		105	83.1		ug/Kg	☼	64	61 - 137
Benzene	ND	F1	21.1	12.6	F1	ug/Kg	☼	60	79 - 127
Bromodichloromethane	ND	F1	21.1	11.9	F1	ug/Kg	☼	56	80 - 122
Bromoform	ND	F1	21.1	9.28	F1	ug/Kg	☼	44	68 - 126
Bromomethane	ND		21.1	15.8		ug/Kg	☼	75	37 - 149
Carbon disulfide	ND	F1	21.1	7.86	F1	ug/Kg	☼	37	64 - 131
Carbon tetrachloride	ND	F1	21.1	12.8	F1	ug/Kg	☼	61	75 - 135
Chlorobenzene	ND	F1	21.1	7.12	F1	ug/Kg	☼	34	76 - 124
Dibromochloromethane	ND	F1	21.1	10.8	F1	ug/Kg	☼	51	76 - 125
Chloroethane	ND		21.1	15.2		ug/Kg	☼	72	69 - 135
Chloroform	ND	F1	21.1	12.6	F1	ug/Kg	☼	60	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-163813-3 MS

Matrix: Solid

Analysis Batch: 508746

Client Sample ID: TP #5, 1-2

Prep Type: Total/NA

Prep Batch: 508768

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Chloromethane	ND		21.1	16.7		ug/Kg	*	79	63 - 127	
cis-1,2-Dichloroethene	ND	F1	21.1	10.4	F1	ug/Kg	*	49	80 - 120	
cis-1,3-Dichloropropene	ND	F1	21.1	8.04	F1	ug/Kg	*	38	80 - 120	
Cyclohexane	ND	F1	21.1	12.6	F1	ug/Kg	*	60	65 - 120	
Dichlorodifluoromethane	ND		21.1	15.5		ug/Kg	*	73	57 - 142	
Ethylbenzene	ND	F1	21.1	8.45	F1	ug/Kg	*	40	80 - 120	
1,2-Dibromoethane	ND	F1	21.1	9.16	F1	ug/Kg	*	44	78 - 120	
Isopropylbenzene	ND	F1	21.1	11.8	F1	ug/Kg	*	56	72 - 120	
Methyl acetate	ND		42.1	37.9		ug/Kg	*	90	55 - 136	
Methyl tert-butyl ether	ND		21.1	15.8		ug/Kg	*	75	63 - 125	
Methylcyclohexane	ND	F1	21.1	9.37	F1	ug/Kg	*	45	60 - 140	
Methylene Chloride	ND	F1	21.1	12.7	F1	ug/Kg	*	60	61 - 127	
Styrene	ND	F1	21.1	5.59	F1	ug/Kg	*	27	80 - 120	
Tetrachloroethene	ND	F1	21.1	8.55	F1	ug/Kg	*	41	74 - 122	
Toluene	ND	F1	21.1	9.20	F1	ug/Kg	*	44	74 - 128	
trans-1,2-Dichloroethene	ND	F1	21.1	9.17	F1	ug/Kg	*	44	78 - 126	
trans-1,3-Dichloropropene	ND	F1	21.1	6.42	F1	ug/Kg	*	30	73 - 123	
Trichloroethene	ND	F1	21.1	8.11	F1	ug/Kg	*	38	77 - 129	
Trichlorofluoromethane	ND	F1	21.1	12.7	F1	ug/Kg	*	60	65 - 146	
Vinyl chloride	ND		21.1	14.6		ug/Kg	*	69	61 - 133	

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	93		71 - 125
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	86		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140

Lab Sample ID: 480-163813-3 MSD

Matrix: Solid

Analysis Batch: 508746

Client Sample ID: TP #5, 1-2

Prep Type: Total/NA

Prep Batch: 508768

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
1,1,1-Trichloroethane	ND	F1	19.2	13.5	F1	ug/Kg	*	70	77 - 121	4	30	
1,1,2,2-Tetrachloroethane	ND	F1	19.2	15.1	F1	ug/Kg	*	79	80 - 120	1	30	
1,1,2-Trichloroethane	ND	F1	19.2	12.9	F1	ug/Kg	*	67	78 - 122	5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		19.2	14.2		ug/Kg	*	74	60 - 140	9	30	
1,1-Dichloroethane	ND	F1	19.2	14.4		ug/Kg	*	75	73 - 126	1	30	
1,1-Dichloroethene	ND	F1	19.2	11.5		ug/Kg	*	60	59 - 125	3	30	
1,2,4-Trichlorobenzene	ND	F1	19.2	1.96	F1	ug/Kg	*	10	64 - 120	7	30	
1,2-Dibromo-3-Chloropropane	ND	F1	19.2	9.64	F1	ug/Kg	*	50	63 - 124	0	30	
1,2-Dichlorobenzene	ND	F1	19.2	5.42	F1	ug/Kg	*	28	75 - 120	1	30	
1,2-Dichloroethane	ND	F1	19.2	12.4	F1	ug/Kg	*	64	77 - 122	3	30	
1,2-Dichloropropane	ND	F1	19.2	13.6	F1	ug/Kg	*	71	75 - 124	0	30	
1,3-Dichlorobenzene	ND	F1	19.2	4.80	F1	ug/Kg	*	25	74 - 120	2	30	
1,4-Dichlorobenzene	ND	F1	19.2	4.30	F1	ug/Kg	*	22	73 - 120	0	30	
2-Butanone (MEK)	2.0	J	95.9	73.4		ug/Kg	*	74	70 - 134	3	30	
2-Hexanone	ND	F1	95.9	60.5		ug/Kg	*	63	59 - 130	3	30	
4-Methyl-2-pentanone (MIBK)	ND		95.9	75.3		ug/Kg	*	79	65 - 133	7	30	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-163813-3 MSD
Matrix: Solid
Analysis Batch: 508746

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508768

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier		Result	Qualifier						
Acetone	15		95.9	79.0		ug/Kg	☼	66	61 - 137	5	30
Benzene	ND	F1	19.2	12.6	F1	ug/Kg	☼	66	79 - 127	0	30
Bromodichloromethane	ND	F1	19.2	12.0	F1	ug/Kg	☼	63	80 - 122	2	30
Bromoform	ND	F1	19.2	9.47	F1	ug/Kg	☼	49	68 - 126	2	30
Bromomethane	ND		19.2	15.6		ug/Kg	☼	81	37 - 149	2	30
Carbon disulfide	ND	F1	19.2	7.69	F1	ug/Kg	☼	40	64 - 131	2	30
Carbon tetrachloride	ND	F1	19.2	12.3	F1	ug/Kg	☼	64	75 - 135	4	30
Chlorobenzene	ND	F1	19.2	7.36	F1	ug/Kg	☼	38	76 - 124	3	30
Dibromochloromethane	ND	F1	19.2	10.8	F1	ug/Kg	☼	56	76 - 125	0	30
Chloroethane	ND		19.2	15.7		ug/Kg	☼	82	69 - 135	3	30
Chloroform	ND	F1	19.2	12.5	F1	ug/Kg	☼	65	80 - 120	1	30
Chloromethane	ND		19.2	16.1		ug/Kg	☼	84	63 - 127	4	30
cis-1,2-Dichloroethene	ND	F1	19.2	10.8	F1	ug/Kg	☼	56	80 - 120	4	30
cis-1,3-Dichloropropene	ND	F1	19.2	8.83	F1	ug/Kg	☼	46	80 - 120	9	30
Cyclohexane	ND	F1	19.2	11.9	F1	ug/Kg	☼	62	65 - 120	5	30
Dichlorodifluoromethane	ND		19.2	15.3		ug/Kg	☼	80	57 - 142	1	30
Ethylbenzene	ND	F1	19.2	8.35	F1	ug/Kg	☼	44	80 - 120	1	30
1,2-Dibromoethane	ND	F1	19.2	8.88	F1	ug/Kg	☼	46	78 - 120	3	30
Isopropylbenzene	ND	F1	19.2	11.0	F1	ug/Kg	☼	57	72 - 120	7	30
Methyl acetate	ND		38.4	38.4		ug/Kg	☼	100	55 - 136	1	30
Methyl tert-butyl ether	ND		19.2	16.0		ug/Kg	☼	83	63 - 125	1	30
Methylcyclohexane	ND	F1	19.2	8.62	F1	ug/Kg	☼	45	60 - 140	8	30
Methylene Chloride	ND	F1	19.2	13.6		ug/Kg	☼	71	61 - 127	6	30
Styrene	ND	F1	19.2	6.03	F1	ug/Kg	☼	31	80 - 120	8	30
Tetrachloroethene	ND	F1	19.2	9.21	F1	ug/Kg	☼	48	74 - 122	7	30
Toluene	ND	F1	19.2	10.8	F1	ug/Kg	☼	56	74 - 128	16	30
trans-1,2-Dichloroethene	ND	F1	19.2	9.28	F1	ug/Kg	☼	48	78 - 126	1	30
trans-1,3-Dichloropropene	ND	F1	19.2	7.78	F1	ug/Kg	☼	41	73 - 123	19	30
Trichloroethene	ND	F1	19.2	8.67	F1	ug/Kg	☼	45	77 - 129	7	30
Trichlorofluoromethane	ND	F1	19.2	13.1		ug/Kg	☼	68	65 - 146	3	30
Vinyl chloride	ND		19.2	14.4		ug/Kg	☼	75	61 - 133	2	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	102		71 - 125
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	86		72 - 126
Dibromofluoromethane (Surr)	102		60 - 140

Lab Sample ID: MB 480-509017/2-A
Matrix: Solid
Analysis Batch: 508963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 509017

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		12/10/19 10:25	12/10/19 12:01	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-509017/2-A
Matrix: Solid
Analysis Batch: 508963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 509017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
2-Hexanone	ND		25	2.5	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Acetone	ND		25	4.2	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Benzene	ND		5.0	0.25	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Bromoform	ND		5.0	2.5	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Bromomethane	ND		5.0	0.45	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Chloroethane	ND		5.0	1.1	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Chloroform	ND		5.0	0.31	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Chloromethane	ND		5.0	0.30	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Cyclohexane	ND		5.0	0.70	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Methyl acetate	ND		25	3.0	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Styrene	ND		5.0	0.25	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Toluene	ND		5.0	0.38	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Trichloroethene	ND		5.0	1.1	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		12/10/19 10:25	12/10/19 12:01	1
Xylenes, Total	ND		10	0.84	ug/Kg		12/10/19 10:25	12/10/19 12:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		71 - 125	12/10/19 10:25	12/10/19 12:01	1
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	12/10/19 10:25	12/10/19 12:01	1
4-Bromofluorobenzene (Surr)	95		72 - 126	12/10/19 10:25	12/10/19 12:01	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-509017/2-A
Matrix: Solid
Analysis Batch: 508963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 509017

Surrogate	MB MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)		98		60 - 140	12/10/19 10:25	12/10/19 12:01	1

Lab Sample ID: LCS 480-509017/1-A
Matrix: Solid
Analysis Batch: 508963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 509017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	50.0	48.0		ug/Kg		96	77 - 121
1,1,1,2-Tetrachloroethane	50.0	56.1		ug/Kg		112	80 - 120
1,1,2-Trichloroethane	50.0	54.6		ug/Kg		109	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.8		ug/Kg		100	60 - 140
1,1-Dichloroethane	50.0	49.5		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	49.0		ug/Kg		98	59 - 125
1,2,4-Trichlorobenzene	50.0	53.7		ug/Kg		107	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/Kg		105	63 - 124
1,2-Dichlorobenzene	50.0	51.6		ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	50.8		ug/Kg		102	77 - 122
1,2-Dichloropropane	50.0	51.3		ug/Kg		103	75 - 124
1,3-Dichlorobenzene	50.0	50.6		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	49.3		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	311		ug/Kg		124	70 - 134
2-Hexanone	250	308		ug/Kg		123	59 - 130
4-Methyl-2-pentanone (MIBK)	250	286		ug/Kg		114	65 - 133
Acetone	250	292		ug/Kg		117	61 - 137
Benzene	50.0	48.9		ug/Kg		98	79 - 127
Bromodichloromethane	50.0	49.3		ug/Kg		99	80 - 122
Bromoform	50.0	56.1		ug/Kg		112	68 - 126
Bromomethane	50.0	53.9		ug/Kg		108	37 - 149
Carbon disulfide	50.0	49.8		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	46.6		ug/Kg		93	75 - 135
Chlorobenzene	50.0	48.2		ug/Kg		96	76 - 124
Dibromochloromethane	50.0	51.0		ug/Kg		102	76 - 125
Chloroethane	50.0	55.0		ug/Kg		110	69 - 135
Chloroform	50.0	47.2		ug/Kg		94	80 - 120
Chloromethane	50.0	52.2		ug/Kg		104	63 - 127
cis-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	48.7		ug/Kg		97	80 - 120
Cyclohexane	50.0	49.1		ug/Kg		98	65 - 120
Dichlorodifluoromethane	50.0	49.1		ug/Kg		98	57 - 142
Ethylbenzene	50.0	49.2		ug/Kg		98	80 - 120
1,2-Dibromoethane	50.0	52.6		ug/Kg		105	78 - 120
Isopropylbenzene	50.0	47.6		ug/Kg		95	72 - 120
Methyl acetate	100	118		ug/Kg		118	55 - 136
Methyl tert-butyl ether	50.0	48.8		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	47.2		ug/Kg		94	60 - 140
Methylene Chloride	50.0	46.9		ug/Kg		94	61 - 127
Styrene	50.0	47.9		ug/Kg		96	80 - 120
Tetrachloroethene	50.0	50.9		ug/Kg		102	74 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-509017/1-A
Matrix: Solid
Analysis Batch: 508963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 509017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Toluene	50.0	47.9		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	48.8		ug/Kg		98	78 - 126
trans-1,3-Dichloropropene	50.0	52.2		ug/Kg		104	73 - 123
Trichloroethene	50.0	51.2		ug/Kg		102	77 - 129
Trichlorofluoromethane	50.0	49.0		ug/Kg		98	65 - 146
Vinyl chloride	50.0	53.4		ug/Kg		107	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	91		71 - 125
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	96		60 - 140

Lab Sample ID: MB 480-509237/2-A
Matrix: Solid
Analysis Batch: 509448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 509237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		100	28	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
1,3,5-Trimethylbenzene	ND		100	30	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
4-Isopropyltoluene	ND		100	34	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
m-Xylene & p-Xylene	ND		200	55	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Naphthalene	ND		100	34	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
n-Butylbenzene	ND		100	29	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
N-Propylbenzene	ND		100	26	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
o-Xylene	ND		100	13	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
sec-Butylbenzene	ND		100	37	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
tert-Butylbenzene	ND		100	28	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Benzene	ND		100	19	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Ethylbenzene	ND		100	29	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Isopropylbenzene	ND		100	15	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Toluene	ND		100	27	ug/Kg		12/11/19 09:08	12/12/19 10:49	1
Xylenes, Total	ND		200	55	ug/Kg		12/11/19 09:08	12/12/19 10:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		50 - 149	12/11/19 09:08	12/12/19 10:49	1
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	12/11/19 09:08	12/12/19 10:49	1
4-Bromofluorobenzene (Surr)	107		49 - 148	12/11/19 09:08	12/12/19 10:49	1
Dibromofluoromethane (Surr)	103		60 - 140	12/11/19 09:08	12/12/19 10:49	1

Lab Sample ID: LCS 480-509237/1-A
Matrix: Solid
Analysis Batch: 509448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 509237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,2,4-Trimethylbenzene	2500	2060		ug/Kg		82	77 - 127
1,3,5-Trimethylbenzene	2500	2030		ug/Kg		81	79 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-509237/1-A
Matrix: Solid
Analysis Batch: 509448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 509237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Isopropyltoluene	2500	2170		ug/Kg		87	80 - 120
m-Xylene & p-Xylene	2500	2140		ug/Kg		86	77 - 125
Naphthalene	2500	1850		ug/Kg		74	65 - 142
n-Butylbenzene	2500	2120		ug/Kg		85	80 - 120
N-Propylbenzene	2500	2070		ug/Kg		83	76 - 120
o-Xylene	2500	2150		ug/Kg		86	80 - 124
sec-Butylbenzene	2500	2130		ug/Kg		85	79 - 120
tert-Butylbenzene	2500	2080		ug/Kg		83	78 - 120
Benzene	2500	2260		ug/Kg		90	77 - 125
Ethylbenzene	2500	2180		ug/Kg		87	78 - 124
Isopropylbenzene	2500	2080		ug/Kg		83	76 - 120
Methyl tert-butyl ether	2500	1950		ug/Kg		78	67 - 137
Toluene	2500	2080		ug/Kg		83	75 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		50 - 149
1,2-Dichloroethane-d4 (Surr)	114		53 - 146
4-Bromofluorobenzene (Surr)	109		49 - 148
Dibromofluoromethane (Surr)	109		60 - 140

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-508877/1-A
Matrix: Solid
Analysis Batch: 509077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170	25	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
bis (2-chloroisopropyl) ether	ND		170	34	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,4,5-Trichlorophenol	ND		170	46	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,4,6-Trichlorophenol	ND		170	34	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,4-Dimethylphenol	ND		170	41	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,4-Dinitrophenol	ND		1700	780	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,4-Dinitrotoluene	ND		170	35	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2-Chloronaphthalene	ND		170	28	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2-Chlorophenol	ND		330	31	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2-Methylphenol	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2-Methylnaphthalene	ND		170	34	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2-Nitroaniline	ND		330	25	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
2-Nitrophenol	ND		170	48	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
3,3'-Dichlorobenzidine	ND		330	200	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
3-Nitroaniline	ND		330	47	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4,6-Dinitro-2-methylphenol	ND		330	170	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4-Bromophenyl phenyl ether	ND		170	24	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4-Chloro-3-methylphenol	ND		170	42	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4-Chloroaniline	ND		170	42	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4-Chlorophenyl phenyl ether	ND		170	21	ug/Kg		12/09/19 15:01	12/10/19 14:53	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-508877/1-A
Matrix: Solid
Analysis Batch: 509077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		330	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4-Nitroaniline	ND		330	88	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
4-Nitrophenol	ND		330	120	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Acenaphthene	ND		170	25	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Acenaphthylene	ND		170	22	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Acetophenone	ND		170	23	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Anthracene	ND		170	42	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Atrazine	ND		170	59	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Benzaldehyde	ND		170	130	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Benzo[a]anthracene	ND		170	17	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Benzo[a]pyrene	ND		170	25	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Bis(2-chloroethoxy)methane	ND		170	36	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Bis(2-chloroethyl)ether	ND		170	22	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Bis(2-ethylhexyl) phthalate	ND		170	58	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Butyl benzyl phthalate	ND		170	28	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Caprolactam	ND		170	51	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Carbazole	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Chrysene	ND		170	38	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Di-n-butyl phthalate	ND		170	29	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Dibenzofuran	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Diethyl phthalate	ND		170	22	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Dimethyl phthalate	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Fluoranthene	ND		170	18	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Fluorene	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Hexachlorobenzene	ND		170	23	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Hexachlorobutadiene	ND		170	25	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Hexachlorocyclopentadiene	ND		170	23	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Hexachloroethane	ND		170	22	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Isophorone	ND		170	36	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
N-Nitrosodi-n-propylamine	ND		170	29	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
N-Nitrosodiphenylamine	ND		170	140	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Naphthalene	ND		170	22	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Nitrobenzene	ND		170	19	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Pentachlorophenol	ND		330	170	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Phenanthrene	ND		170	25	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Phenol	ND		170	26	ug/Kg		12/09/19 15:01	12/10/19 14:53	1
Pyrene	ND		170	20	ug/Kg		12/09/19 15:01	12/10/19 14:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	83		53 - 120	12/09/19 15:01	12/10/19 14:53	1
Phenol-d5 (Surr)	75		54 - 120	12/09/19 15:01	12/10/19 14:53	1
p-Terphenyl-d14 (Surr)	105		79 - 130	12/09/19 15:01	12/10/19 14:53	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-508877/1-A
Matrix: Solid
Analysis Batch: 509077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508877

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	87		54 - 120	12/09/19 15:01	12/10/19 14:53	1
2-Fluorobiphenyl	88		60 - 120	12/09/19 15:01	12/10/19 14:53	1
2-Fluorophenol (Surr)	74		52 - 120	12/09/19 15:01	12/10/19 14:53	1

Lab Sample ID: LCS 480-508877/2-A
Matrix: Solid
Analysis Batch: 509077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Biphenyl	1670	1450		ug/Kg		87	59 - 120
bis (2-chloroisopropyl) ether	1670	989		ug/Kg		59	44 - 120
2,4,5-Trichlorophenol	1670	1550		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1670	1460		ug/Kg		88	59 - 123
2,4-Dichlorophenol	1670	1410		ug/Kg		84	61 - 120
2,4-Dimethylphenol	1670	1440		ug/Kg		87	59 - 120
2,4-Dinitrophenol	3330	2750		ug/Kg		83	41 - 146
2,4-Dinitrotoluene	1670	1610		ug/Kg		97	63 - 120
2,6-Dinitrotoluene	1670	1520		ug/Kg		91	66 - 120
2-Chloronaphthalene	1670	1440		ug/Kg		87	57 - 120
2-Chlorophenol	1670	1200		ug/Kg		72	53 - 120
2-Methylphenol	1670	1160		ug/Kg		70	54 - 120
2-Methylnaphthalene	1670	1360		ug/Kg		82	59 - 120
2-Nitroaniline	1670	1440		ug/Kg		87	61 - 120
2-Nitrophenol	1670	1320		ug/Kg		79	56 - 120
3,3'-Dichlorobenzidine	3330	3190		ug/Kg		96	54 - 120
3-Nitroaniline	1670	1360		ug/Kg		81	48 - 120
4,6-Dinitro-2-methylphenol	3330	3070		ug/Kg		92	49 - 122
4-Bromophenyl phenyl ether	1670	1650		ug/Kg		99	58 - 120
4-Chloro-3-methylphenol	1670	1420		ug/Kg		85	61 - 120
4-Chloroaniline	1670	1240		ug/Kg		75	38 - 120
4-Chlorophenyl phenyl ether	1670	1570		ug/Kg		94	63 - 124
4-Methylphenol	1670	1190		ug/Kg		72	55 - 120
4-Nitroaniline	1670	1410		ug/Kg		85	56 - 120
4-Nitrophenol	3330	3690		ug/Kg		111	43 - 147
Acenaphthene	1670	1510		ug/Kg		91	62 - 120
Acenaphthylene	1670	1460		ug/Kg		88	58 - 121
Acetophenone	1670	1260		ug/Kg		76	54 - 120
Anthracene	1670	1620		ug/Kg		97	62 - 120
Atrazine	3330	3360		ug/Kg		101	60 - 127
Benzaldehyde	3330	1870		ug/Kg		56	10 - 150
Benzo[a]anthracene	1670	1690		ug/Kg		101	65 - 120
Benzo[a]pyrene	1670	1620		ug/Kg		97	64 - 120
Benzo[b]fluoranthene	1670	1700		ug/Kg		102	64 - 120
Benzo[g,h,i]perylene	1670	1540		ug/Kg		93	45 - 145
Benzo[k]fluoranthene	1670	1580		ug/Kg		95	65 - 120
Bis(2-chloroethoxy)methane	1670	1250		ug/Kg		75	55 - 120
Bis(2-chloroethyl)ether	1670	1100		ug/Kg		66	45 - 120
Bis(2-ethylhexyl) phthalate	1670	1780		ug/Kg		107	61 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-508877/2-A
Matrix: Solid
Analysis Batch: 509077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Butyl benzyl phthalate	1670	1800		ug/Kg		108	61 - 129
Caprolactam	3330	2760		ug/Kg		83	47 - 120
Carbazole	1670	1600		ug/Kg		96	65 - 120
Chrysene	1670	1720		ug/Kg		103	64 - 120
Dibenz(a,h)anthracene	1670	1640		ug/Kg		98	54 - 132
Di-n-butyl phthalate	1670	1750		ug/Kg		105	58 - 130
Di-n-octyl phthalate	1670	1750		ug/Kg		105	57 - 133
Dibenzofuran	1670	1500		ug/Kg		90	63 - 120
Diethyl phthalate	1670	1670		ug/Kg		100	66 - 120
Dimethyl phthalate	1670	1610		ug/Kg		96	65 - 124
Fluoranthene	1670	1650		ug/Kg		99	62 - 120
Fluorene	1670	1510		ug/Kg		90	63 - 120
Hexachlorobenzene	1670	1650		ug/Kg		99	60 - 120
Hexachlorobutadiene	1670	1580		ug/Kg		95	45 - 120
Hexachlorocyclopentadiene	1670	1410		ug/Kg		85	47 - 120
Hexachloroethane	1670	1210		ug/Kg		72	41 - 120
Indeno[1,2,3-cd]pyrene	1670	1610		ug/Kg		96	56 - 134
Isophorone	1670	1350		ug/Kg		81	56 - 120
N-Nitrosodi-n-propylamine	1670	1170		ug/Kg		70	52 - 120
N-Nitrosodiphenylamine	1670	1540		ug/Kg		92	51 - 128
Naphthalene	1670	1350		ug/Kg		81	55 - 120
Nitrobenzene	1670	1280		ug/Kg		77	54 - 120
Pentachlorophenol	3330	2500		ug/Kg		75	51 - 120
Phenanthrene	1670	1570		ug/Kg		94	60 - 120
Phenol	1670	1100		ug/Kg		66	53 - 120
Pyrene	1670	1800		ug/Kg		108	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	78		53 - 120
Phenol-d5 (Surr)	66		54 - 120
p-Terphenyl-d14 (Surr)	100		79 - 130
2,4,6-Tribromophenol (Surr)	96		54 - 120
2-Fluorobiphenyl	87		60 - 120
2-Fluorophenol (Surr)	68		52 - 120

Lab Sample ID: 480-163813-3 MS
Matrix: Solid
Analysis Batch: 509077

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Biphenyl	ND		1990	1840		ug/Kg	☼	93	58 - 120
bis (2-chloroisopropyl) ether	ND	F2	1990	1290		ug/Kg	☼	65	31 - 120
2,4,5-Trichlorophenol	ND		1990	1910		ug/Kg	☼	96	46 - 120
2,4,6-Trichlorophenol	ND		1990	1860		ug/Kg	☼	94	41 - 123
2,4-Dichlorophenol	ND		1990	1700		ug/Kg	☼	85	45 - 120
2,4-Dimethylphenol	ND		1990	1660		ug/Kg	☼	83	52 - 120
2,4-Dinitrophenol	ND		3970	ND		ug/Kg	☼	NC	41 - 146
2,4-Dinitrotoluene	ND		1990	1970		ug/Kg	☼	99	63 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-163813-3 MS

Matrix: Solid

Analysis Batch: 509077

Client Sample ID: TP #5, 1-2

Prep Type: Total/NA

Prep Batch: 508877

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
2,6-Dinitrotoluene	ND		1990	1810		ug/Kg	*	91		66 - 120
2-Chloronaphthalene	ND		1990	1860		ug/Kg	*	94		57 - 120
2-Chlorophenol	ND		1990	1500	J	ug/Kg	*	75		43 - 120
2-Methylphenol	ND		1990	1560		ug/Kg	*	78		48 - 120
2-Methylnaphthalene	ND		1990	1900		ug/Kg	*	96		55 - 120
2-Nitroaniline	ND		1990	1830	J	ug/Kg	*	92		61 - 120
2-Nitrophenol	ND	F2	1990	1640		ug/Kg	*	82		37 - 120
3,3'-Dichlorobenzidine	ND		3970	3060		ug/Kg	*	77		37 - 126
3-Nitroaniline	ND		1990	1630	J	ug/Kg	*	82		48 - 120
4,6-Dinitro-2-methylphenol	ND		3970	3290		ug/Kg	*	83		23 - 149
4-Bromophenyl phenyl ether	ND		1990	1950		ug/Kg	*	98		58 - 120
4-Chloro-3-methylphenol	ND		1990	1720		ug/Kg	*	87		49 - 125
4-Chloroaniline	ND		1990	1270		ug/Kg	*	64		38 - 120
4-Chlorophenyl phenyl ether	ND		1990	1980		ug/Kg	*	100		63 - 124
4-Methylphenol	ND		1990	1600	J	ug/Kg	*	81		50 - 120
4-Nitroaniline	ND		1990	1590	J	ug/Kg	*	80		47 - 120
4-Nitrophenol	ND		3970	4080		ug/Kg	*	103		31 - 147
Acenaphthene	ND		1990	1930		ug/Kg	*	97		60 - 120
Acenaphthylene	ND		1990	2060		ug/Kg	*	104		58 - 121
Acetophenone	ND	F2	1990	1790		ug/Kg	*	90		47 - 120
Anthracene	ND	F1 F2	1990	2540	F1	ug/Kg	*	128		62 - 120
Atrazine	ND		3970	3930		ug/Kg	*	99		60 - 150
Benzaldehyde	ND		3970	2560		ug/Kg	*	64		10 - 150
Benzo[a]anthracene	1200	F1 F2	1990	4770	F1	ug/Kg	*	182		65 - 120
Benzo[a]pyrene	970	J F1 F2	1990	4140	F1	ug/Kg	*	159		64 - 120
Benzo[b]fluoranthene	1200	F1 F2	1990	4400	F1	ug/Kg	*	163		10 - 150
Benzo[g,h,i]perylene	600	J F2	1990	3420		ug/Kg	*	142		45 - 145
Benzo[k]fluoranthene	500	J F2	1990	3020		ug/Kg	*	127		23 - 150
Bis(2-chloroethoxy)methane	ND	F2	1990	1620		ug/Kg	*	82		52 - 120
Bis(2-chloroethyl)ether	ND	F2	1990	1440		ug/Kg	*	73		45 - 120
Bis(2-ethylhexyl) phthalate	ND		1990	2110		ug/Kg	*	106		61 - 133
Butyl benzyl phthalate	ND		1990	2140		ug/Kg	*	107		61 - 120
Caprolactam	ND		3970	3070		ug/Kg	*	77		37 - 133
Carbazole	ND		1990	2090		ug/Kg	*	105		59 - 120
Chrysene	1100	F1 F2	1990	4320	F1	ug/Kg	*	164		64 - 120
Dibenz(a,h)anthracene	220	J F2	1990	2580		ug/Kg	*	119		54 - 132
Di-n-butyl phthalate	ND		1990	2110		ug/Kg	*	106		58 - 130
Di-n-octyl phthalate	ND		1990	2060		ug/Kg	*	104		57 - 133
Dibenzofuran	ND		1990	1930		ug/Kg	*	97		62 - 120
Diethyl phthalate	ND		1990	1940		ug/Kg	*	98		66 - 120
Dimethyl phthalate	ND		1990	1960		ug/Kg	*	99		65 - 124
Fluoranthene	2200	F1 F2	1990	7120	F1	ug/Kg	*	250		62 - 120
Fluorene	ND		1990	1980		ug/Kg	*	100		63 - 120
Hexachlorobenzene	ND		1990	2090		ug/Kg	*	105		60 - 120
Hexachlorobutadiene	ND		1990	2100		ug/Kg	*	106		45 - 120
Hexachlorocyclopentadiene	ND		1990	1340		ug/Kg	*	67		31 - 120
Hexachloroethane	ND		1990	1630		ug/Kg	*	82		21 - 120
Indeno[1,2,3-cd]pyrene	500	J F1 F2	1990	3310	F1	ug/Kg	*	142		56 - 134
Isophorone	ND		1990	1570		ug/Kg	*	79		56 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-163813-3 MS

Matrix: Solid

Analysis Batch: 509077

Client Sample ID: TP #5, 1-2

Prep Type: Total/NA

Prep Batch: 508877

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
N-Nitrosodi-n-propylamine	ND		1990	1520		ug/Kg	☼	76	46 - 120
N-Nitrosodiphenylamine	ND		1990	1930		ug/Kg	☼	97	20 - 128
Naphthalene	ND		1990	1820		ug/Kg	☼	92	46 - 120
Nitrobenzene	ND		1990	1610		ug/Kg	☼	81	49 - 120
Pentachlorophenol	ND		3970	2950		ug/Kg	☼	74	25 - 136
Phenanthrene	770	J F1 F2	1990	3950	F1	ug/Kg	☼	160	60 - 122
Phenol	ND		1990	1420		ug/Kg	☼	72	50 - 120
Pyrene	2000	F1 F2	1990	6470	F1	ug/Kg	☼	225	61 - 133
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
Nitrobenzene-d5 (Surr)	85		53 - 120						
Phenol-d5 (Surr)	78		54 - 120						
p-Terphenyl-d14 (Surr)	98		79 - 130						
2,4,6-Tribromophenol (Surr)	107		54 - 120						
2-Fluorobiphenyl	91		60 - 120						
2-Fluorophenol (Surr)	76		52 - 120						

Lab Sample ID: 480-163813-3 MSD

Matrix: Solid

Analysis Batch: 509077

Client Sample ID: TP #5, 1-2

Prep Type: Total/NA

Prep Batch: 508877

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Biphenyl	ND		2020	1700		ug/Kg	☼	84	58 - 120	8	20
bis (2-chloroisopropyl) ether	ND	F2	2020	922	J F2	ug/Kg	☼	46	31 - 120	33	24
2,4,5-Trichlorophenol	ND		2020	1820		ug/Kg	☼	90	46 - 120	5	18
2,4,6-Trichlorophenol	ND		2020	1710		ug/Kg	☼	85	41 - 123	8	19
2,4-Dichlorophenol	ND		2020	1620		ug/Kg	☼	80	45 - 120	5	19
2,4-Dimethylphenol	ND		2020	1510		ug/Kg	☼	75	52 - 120	9	42
2,4-Dinitrophenol	ND		4040	ND		ug/Kg	☼	NC	41 - 146	NC	22
2,4-Dinitrotoluene	ND		2020	1980		ug/Kg	☼	98	63 - 125	0	20
2,6-Dinitrotoluene	ND		2020	1950		ug/Kg	☼	96	66 - 120	7	15
2-Chloronaphthalene	ND		2020	1690		ug/Kg	☼	84	57 - 120	10	21
2-Chlorophenol	ND		2020	1220	J	ug/Kg	☼	60	43 - 120	21	25
2-Methylphenol	ND		2020	1230		ug/Kg	☼	61	48 - 120	23	27
2-Methylnaphthalene	ND		2020	1730		ug/Kg	☼	86	55 - 120	9	21
2-Nitroaniline	ND		2020	1810	J	ug/Kg	☼	90	61 - 120	1	15
2-Nitrophenol	ND	F2	2020	1210	F2	ug/Kg	☼	60	37 - 120	30	18
3,3'-Dichlorobenzidine	ND		4040	3770		ug/Kg	☼	93	37 - 126	21	25
3-Nitroaniline	ND		2020	1810	J	ug/Kg	☼	89	48 - 120	10	19
4,6-Dinitro-2-methylphenol	ND		4040	2850		ug/Kg	☼	70	23 - 149	14	15
4-Bromophenyl phenyl ether	ND		2020	2050		ug/Kg	☼	101	58 - 120	5	15
4-Chloro-3-methylphenol	ND		2020	1670		ug/Kg	☼	82	49 - 125	3	27
4-Chloroaniline	ND		2020	1340		ug/Kg	☼	66	38 - 120	5	22
4-Chlorophenyl phenyl ether	ND		2020	1980		ug/Kg	☼	98	63 - 124	0	16
4-Methylphenol	ND		2020	1410	J	ug/Kg	☼	70	50 - 120	13	24
4-Nitroaniline	ND		2020	1630	J	ug/Kg	☼	80	47 - 120	2	24
4-Nitrophenol	ND		4040	4210		ug/Kg	☼	104	31 - 147	3	25
Acenaphthene	ND		2020	1790		ug/Kg	☼	89	60 - 120	7	35

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-163813-3 MSD

Matrix: Solid

Analysis Batch: 509077

Client Sample ID: TP #5, 1-2

Prep Type: Total/NA

Prep Batch: 508877

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier		Added	Result						
Acenaphthylene	ND		2020	1900		ug/Kg	☼	94	58 - 121	8	18
Acetophenone	ND	F2	2020	1290	F2	ug/Kg	☼	64	47 - 120	32	20
Anthracene	ND	F1 F2	2020	2070	F2	ug/Kg	☼	102	62 - 120	21	15
Atrazine	ND		4040	4260		ug/Kg	☼	105	60 - 150	8	20
Benzaldehyde	ND		4040	2090		ug/Kg	☼	52	10 - 150	20	20
Benzo[a]anthracene	1200	F1 F2	2020	2810	F2	ug/Kg	☼	81	65 - 120	52	15
Benzo[a]pyrene	970	J F1 F2	2020	2500	F2	ug/Kg	☼	76	64 - 120	49	15
Benzo[b]fluoranthene	1200	F1 F2	2020	2840	F2	ug/Kg	☼	83	10 - 150	43	15
Benzo[g,h,i]perylene	600	J F2	2020	2480	F2	ug/Kg	☼	93	45 - 145	32	15
Benzo[k]fluoranthene	500	J F2	2020	2100	F2	ug/Kg	☼	79	23 - 150	36	22
Bis(2-chloroethoxy)methane	ND	F2	2020	1350	F2	ug/Kg	☼	67	52 - 120	19	17
Bis(2-chloroethyl)ether	ND	F2	2020	974	J F2	ug/Kg	☼	48	45 - 120	39	21
Bis(2-ethylhexyl) phthalate	ND		2020	2140		ug/Kg	☼	106	61 - 133	2	15
Butyl benzyl phthalate	ND		2020	2110		ug/Kg	☼	104	61 - 120	1	16
Caprolactam	ND		4040	3420		ug/Kg	☼	85	37 - 133	11	20
Carbazole	ND		2020	1950		ug/Kg	☼	96	59 - 120	7	20
Chrysene	1100	F1 F2	2020	2720	F2	ug/Kg	☼	82	64 - 120	45	15
Dibenz(a,h)anthracene	220	J F2	2020	2060	F2	ug/Kg	☼	91	54 - 132	22	15
Di-n-butyl phthalate	ND		2020	2120		ug/Kg	☼	105	58 - 130	1	15
Di-n-octyl phthalate	ND		2020	2150		ug/Kg	☼	106	57 - 133	4	16
Dibenzofuran	ND		2020	1860		ug/Kg	☼	92	62 - 120	4	15
Diethyl phthalate	ND		2020	1970		ug/Kg	☼	98	66 - 120	2	15
Dimethyl phthalate	ND		2020	1960		ug/Kg	☼	97	65 - 124	0	15
Fluoranthene	2200	F1 F2	2020	3240	F1 F2	ug/Kg	☼	54	62 - 120	75	15
Fluorene	ND		2020	1900		ug/Kg	☼	94	63 - 120	4	15
Hexachlorobenzene	ND		2020	2130		ug/Kg	☼	105	60 - 120	2	15
Hexachlorobutadiene	ND		2020	1400		ug/Kg	☼	69	45 - 120	40	44
Hexachlorocyclopentadiene	ND		2020	1210		ug/Kg	☼	60	31 - 120	10	49
Hexachloroethane	ND		2020	1070		ug/Kg	☼	53	21 - 120	42	46
Indeno[1,2,3-cd]pyrene	500	J F1 F2	2020	2340	F2	ug/Kg	☼	91	56 - 134	34	15
Isophorone	ND		2020	1410		ug/Kg	☼	70	56 - 120	11	17
N-Nitrosodi-n-propylamine	ND		2020	1270		ug/Kg	☼	63	46 - 120	18	31
N-Nitrosodiphenylamine	ND		2020	1820		ug/Kg	☼	90	20 - 128	6	15
Naphthalene	ND		2020	1430		ug/Kg	☼	71	46 - 120	25	29
Nitrobenzene	ND		2020	1320		ug/Kg	☼	65	49 - 120	20	24
Pentachlorophenol	ND		4040	2630		ug/Kg	☼	65	25 - 136	11	35
Phenanthrene	770	J F1 F2	2020	2560	F2	ug/Kg	☼	88	60 - 122	43	15
Phenol	ND		2020	1170		ug/Kg	☼	58	50 - 120	19	35
Pyrene	2000	F1 F2	2020	3170	F1 F2	ug/Kg	☼	58	61 - 133	68	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5 (Surr)	61		53 - 120
Phenol-d5 (Surr)	58		54 - 120
p-Terphenyl-d14 (Surr)	97		79 - 130
2,4,6-Tribromophenol (Surr)	103		54 - 120
2-Fluorobiphenyl	83		60 - 120
2-Fluorophenol (Surr)	47	X	52 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-508728/1-A
Matrix: Solid
Analysis Batch: 508966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508728

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.19	0.037	mg/Kg		12/09/19 07:45	12/10/19 09:56	1
PCB-1221	ND		0.19	0.037	mg/Kg		12/09/19 07:45	12/10/19 09:56	1
PCB-1232	ND		0.19	0.037	mg/Kg		12/09/19 07:45	12/10/19 09:56	1
PCB-1242	ND		0.19	0.037	mg/Kg		12/09/19 07:45	12/10/19 09:56	1
PCB-1248	ND		0.19	0.037	mg/Kg		12/09/19 07:45	12/10/19 09:56	1
PCB-1254	ND		0.19	0.088	mg/Kg		12/09/19 07:45	12/10/19 09:56	1
PCB-1260	ND		0.19	0.088	mg/Kg		12/09/19 07:45	12/10/19 09:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	12/09/19 07:45	12/10/19 09:56	1
Tetrachloro-m-xylene	92		60 - 154	12/09/19 07:45	12/10/19 09:56	1
DCB Decachlorobiphenyl	101		65 - 174	12/09/19 07:45	12/10/19 09:56	1
DCB Decachlorobiphenyl	87		65 - 174	12/09/19 07:45	12/10/19 09:56	1

Lab Sample ID: LCS 480-508728/2-A
Matrix: Solid
Analysis Batch: 508966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508728

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.20	3.33		mg/Kg		151	51 - 185
PCB-1260	2.20	2.97		mg/Kg		135	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	138		60 - 154
Tetrachloro-m-xylene	116		60 - 154
DCB Decachlorobiphenyl	137		65 - 174
DCB Decachlorobiphenyl	116		65 - 174

Lab Sample ID: 480-163813-3 MS
Matrix: Solid
Analysis Batch: 508966

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508728

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
PCB-1016	ND		2.28	2.64		mg/Kg	☼	116	50 - 177
PCB-1260	ND		2.28	2.29		mg/Kg	☼	101	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	115		60 - 154
Tetrachloro-m-xylene	103		60 - 154
DCB Decachlorobiphenyl	113		65 - 174
DCB Decachlorobiphenyl	96		65 - 174

Lab Sample ID: 480-163813-3 MSD
Matrix: Solid
Analysis Batch: 508966

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
PCB-1016	ND		2.89	3.38		mg/Kg	☼	117	50 - 177	25	50

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-163813-3 MSD
Matrix: Solid
Analysis Batch: 508966

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508728

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	ND		2.89	2.87		mg/Kg	☼	99	33 - 200	23	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	124		60 - 154								
Tetrachloro-m-xylene	100		60 - 154								
DCB Decachlorobiphenyl	113		65 - 174								
DCB Decachlorobiphenyl	94		65 - 174								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-508809/1-A
Matrix: Solid
Analysis Batch: 509518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.39	mg/Kg		12/10/19 14:13	12/11/19 18:41	1
Barium	ND		0.49	0.11	mg/Kg		12/10/19 14:13	12/11/19 18:41	1
Cadmium	ND		0.20	0.030	mg/Kg		12/10/19 14:13	12/11/19 18:41	1
Chromium	ND		0.49	0.20	mg/Kg		12/10/19 14:13	12/11/19 18:41	1
Lead	ND		0.99	0.24	mg/Kg		12/10/19 14:13	12/11/19 18:41	1
Selenium	ND		3.9	0.39	mg/Kg		12/10/19 14:13	12/11/19 18:41	1
Silver	ND		0.59	0.20	mg/Kg		12/10/19 14:13	12/11/19 18:41	1

Lab Sample ID: LCSSRM 480-508809/2-A
Matrix: Solid
Analysis Batch: 509518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508809

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	138	120.8		mg/Kg		87.6	63.3 - 117.4
Barium	589	449.9		mg/Kg		76.4	67.4 - 112.4
Cadmium	42.3	31.28		mg/Kg		74.0	66.7 - 111.3
Chromium	62.7	61.28		mg/Kg		97.7	65.1 - 120.9
Lead	115	130.8		mg/Kg		113.7	68.4 - 124.3
Selenium	281	218.1		mg/Kg		77.6	61.9 - 117.1
Silver	30.0	24.96		mg/Kg		83.2	61.3 - 119.7

Lab Sample ID: 480-163813-3 MS
Matrix: Solid
Analysis Batch: 509518

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	19.2		46.9	60.03		mg/Kg	☼	87	75 - 125
Barium	109	F1 F2	46.9	133.3	F1	mg/Kg	☼	51	75 - 125
Cadmium	0.062	J	46.9	43.54		mg/Kg	☼	93	75 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-163813-3 MS
Matrix: Solid
Analysis Batch: 509518

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Chromium	12.3		46.9	56.41		mg/Kg	☼	94	75 - 125
Lead	2340	F2	46.9	82.89	4	mg/Kg	☼	-4807	75 - 125
Selenium	1.1	J	46.9	41.19		mg/Kg	☼	85	75 - 125
Silver	ND		11.7	10.45		mg/Kg	☼	89	75 - 125

Lab Sample ID: 480-163813-3 MSD
Matrix: Solid
Analysis Batch: 509518

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 508809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	19.2		48.6	62.15		mg/Kg	☼	88	75 - 125	3	20
Barium	109	F1 F2	48.6	170.2	F2	mg/Kg	☼	125	75 - 125	24	20
Cadmium	0.062	J	48.6	42.84		mg/Kg	☼	88	75 - 125	2	20
Chromium	12.3		48.6	59.78		mg/Kg	☼	98	75 - 125	6	20
Lead	2340	F2	48.6	140.1	4 F2	mg/Kg	☼	-4518	75 - 125	51	20
Selenium	1.1	J	48.6	40.53		mg/Kg	☼	81	75 - 125	2	20
Silver	ND		12.2	10.27		mg/Kg	☼	84	75 - 125	2	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-509970/1-A
Matrix: Solid
Analysis Batch: 509976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 509970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020	0.0080	mg/Kg		12/15/19 14:01	12/15/19 14:59	1

Lab Sample ID: LCSSRM 480-509970/2-A ^5
Matrix: Solid
Analysis Batch: 509976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 509970

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Mercury	3.12	3.24		mg/Kg		103.9	56.4 - 131.4

Lab Sample ID: 480-163813-3 MS
Matrix: Solid
Analysis Batch: 509976

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 509970

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.45	F1	0.376	0.600	F1	mg/Kg	☼	40	80 - 120

Lab Sample ID: 480-163813-3 MSD
Matrix: Solid
Analysis Batch: 509976

Client Sample ID: TP #5, 1-2
Prep Type: Total/NA
Prep Batch: 509970

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.45	F1	0.403	0.581	F1	mg/Kg	☼	33	80 - 120	3	20

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

GC/MS VOA

Analysis Batch: 508746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-2	TP #3, 2-3	Total/NA	Solid	8260C	508768
480-163813-3	TP #5, 1-2	Total/NA	Solid	8260C	508768
480-163813-4	TP #6, 3-4	Total/NA	Solid	8260C	508768
480-163813-5	TP #9, 3	Total/NA	Solid	8260C	508768
480-163813-6	TP #1, 1-2	Total/NA	Solid	8260C	508768
MB 480-508768/2-A	Method Blank	Total/NA	Solid	8260C	508768
LCS 480-508768/1-A	Lab Control Sample	Total/NA	Solid	8260C	508768
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	8260C	508768
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	8260C	508768

Prep Batch: 508768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-2	TP #3, 2-3	Total/NA	Solid	5035A_L	
480-163813-3	TP #5, 1-2	Total/NA	Solid	5035A_L	
480-163813-4	TP #6, 3-4	Total/NA	Solid	5035A_L	
480-163813-5	TP #9, 3	Total/NA	Solid	5035A_L	
480-163813-6	TP #1, 1-2	Total/NA	Solid	5035A_L	
MB 480-508768/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-508768/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	5035A_L	
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	5035A_L	

Analysis Batch: 508963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	8260C	509017
MB 480-509017/2-A	Method Blank	Total/NA	Solid	8260C	509017
LCS 480-509017/1-A	Lab Control Sample	Total/NA	Solid	8260C	509017

Prep Batch: 509017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	5035A_L	
MB 480-509017/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-509017/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Prep Batch: 509237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-10	SAMPLE 1UST	Total/NA	Solid	5035A_H	
480-163813-11	SAMPLE 2UST	Total/NA	Solid	5035A_H	
480-163813-12	SAMPLE 3UST	Total/NA	Solid	5035A_H	
480-163813-13	SAMPLE 4UST	Total/NA	Solid	5035A_H	
MB 480-509237/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-509237/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 509448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-10	SAMPLE 1UST	Total/NA	Solid	8260C	509237
480-163813-11	SAMPLE 2UST	Total/NA	Solid	8260C	509237
480-163813-12	SAMPLE 3UST	Total/NA	Solid	8260C	509237
480-163813-13	SAMPLE 4UST	Total/NA	Solid	8260C	509237
MB 480-509237/2-A	Method Blank	Total/NA	Solid	8260C	509237
LCS 480-509237/1-A	Lab Control Sample	Total/NA	Solid	8260C	509237

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

GC/MS Semi VOA

Prep Batch: 508877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	3550C	
480-163813-2	TP #3, 2-3	Total/NA	Solid	3550C	
480-163813-3	TP #5, 1-2	Total/NA	Solid	3550C	
480-163813-4	TP #6, 3-4	Total/NA	Solid	3550C	
480-163813-5	TP #9, 3	Total/NA	Solid	3550C	
480-163813-6	TP #1, 1-2	Total/NA	Solid	3550C	
480-163813-7	TP9 SURFACE	Total/NA	Solid	3550C	
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	3550C	
480-163813-9	UST PARKING AREA	Total/NA	Solid	3550C	
480-163813-10	SAMPLE 1UST	Total/NA	Solid	3550C	
480-163813-11	SAMPLE 2UST	Total/NA	Solid	3550C	
480-163813-12	SAMPLE 3UST	Total/NA	Solid	3550C	
480-163813-13	SAMPLE 4UST	Total/NA	Solid	3550C	
MB 480-508877/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-508877/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	3550C	
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	3550C	

Analysis Batch: 509077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	8270D	508877
480-163813-2	TP #3, 2-3	Total/NA	Solid	8270D	508877
480-163813-3	TP #5, 1-2	Total/NA	Solid	8270D	508877
480-163813-4	TP #6, 3-4	Total/NA	Solid	8270D	508877
480-163813-5	TP #9, 3	Total/NA	Solid	8270D	508877
480-163813-6	TP #1, 1-2	Total/NA	Solid	8270D	508877
480-163813-7	TP9 SURFACE	Total/NA	Solid	8270D	508877
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	8270D	508877
480-163813-9	UST PARKING AREA	Total/NA	Solid	8270D	508877
480-163813-10	SAMPLE 1UST	Total/NA	Solid	8270D	508877
480-163813-11	SAMPLE 2UST	Total/NA	Solid	8270D	508877
480-163813-12	SAMPLE 3UST	Total/NA	Solid	8270D	508877
480-163813-13	SAMPLE 4UST	Total/NA	Solid	8270D	508877
MB 480-508877/1-A	Method Blank	Total/NA	Solid	8270D	508877
LCS 480-508877/2-A	Lab Control Sample	Total/NA	Solid	8270D	508877
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	8270D	508877
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	8270D	508877

GC Semi VOA

Prep Batch: 508728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	3550C	
480-163813-2	TP #3, 2-3	Total/NA	Solid	3550C	
480-163813-3	TP #5, 1-2	Total/NA	Solid	3550C	
480-163813-4	TP #6, 3-4	Total/NA	Solid	3550C	
480-163813-5	TP #9, 3	Total/NA	Solid	3550C	
480-163813-6	TP #1, 1-2	Total/NA	Solid	3550C	
480-163813-7	TP9 SURFACE	Total/NA	Solid	3550C	
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	3550C	
480-163813-9	UST PARKING AREA	Total/NA	Solid	3550C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

GC Semi VOA (Continued)

Prep Batch: 508728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-508728/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-508728/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	3550C	
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	3550C	

Analysis Batch: 508966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	8082A	508728
480-163813-2	TP #3, 2-3	Total/NA	Solid	8082A	508728
480-163813-3	TP #5, 1-2	Total/NA	Solid	8082A	508728
480-163813-4	TP #6, 3-4	Total/NA	Solid	8082A	508728
480-163813-5	TP #9, 3	Total/NA	Solid	8082A	508728
480-163813-6	TP #1, 1-2	Total/NA	Solid	8082A	508728
480-163813-7	TP9 SURFACE	Total/NA	Solid	8082A	508728
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	8082A	508728
480-163813-9	UST PARKING AREA	Total/NA	Solid	8082A	508728
MB 480-508728/1-A	Method Blank	Total/NA	Solid	8082A	508728
LCS 480-508728/2-A	Lab Control Sample	Total/NA	Solid	8082A	508728
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	8082A	508728
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	8082A	508728

Metals

Prep Batch: 508809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	3050B	
480-163813-2	TP #3, 2-3	Total/NA	Solid	3050B	
480-163813-3	TP #5, 1-2	Total/NA	Solid	3050B	
480-163813-4	TP #6, 3-4	Total/NA	Solid	3050B	
480-163813-5	TP #9, 3	Total/NA	Solid	3050B	
480-163813-6	TP #1, 1-2	Total/NA	Solid	3050B	
480-163813-7	TP9 SURFACE	Total/NA	Solid	3050B	
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	3050B	
480-163813-9	UST PARKING AREA	Total/NA	Solid	3050B	
480-163813-10	SAMPLE 1UST	Total/NA	Solid	3050B	
480-163813-11	SAMPLE 2UST	Total/NA	Solid	3050B	
480-163813-12	SAMPLE 3UST	Total/NA	Solid	3050B	
480-163813-13	SAMPLE 4UST	Total/NA	Solid	3050B	
MB 480-508809/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-508809/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	3050B	
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	3050B	

Analysis Batch: 509518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	6010C	508809
480-163813-2	TP #3, 2-3	Total/NA	Solid	6010C	508809
480-163813-3	TP #5, 1-2	Total/NA	Solid	6010C	508809
480-163813-4	TP #6, 3-4	Total/NA	Solid	6010C	508809
480-163813-5	TP #9, 3	Total/NA	Solid	6010C	508809
480-163813-6	TP #1, 1-2	Total/NA	Solid	6010C	508809

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Metals (Continued)

Analysis Batch: 509518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-7	TP9 SURFACE	Total/NA	Solid	6010C	508809
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	6010C	508809
480-163813-9	UST PARKING AREA	Total/NA	Solid	6010C	508809
480-163813-10	SAMPLE 1UST	Total/NA	Solid	6010C	508809
480-163813-11	SAMPLE 2UST	Total/NA	Solid	6010C	508809
480-163813-12	SAMPLE 3UST	Total/NA	Solid	6010C	508809
480-163813-13	SAMPLE 4UST	Total/NA	Solid	6010C	508809
MB 480-508809/1-A	Method Blank	Total/NA	Solid	6010C	508809
LCSSRM 480-508809/2-A	Lab Control Sample	Total/NA	Solid	6010C	508809
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	6010C	508809
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	6010C	508809

Prep Batch: 509970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	7471B	
480-163813-2	TP #3, 2-3	Total/NA	Solid	7471B	
480-163813-3	TP #5, 1-2	Total/NA	Solid	7471B	
480-163813-4	TP #6, 3-4	Total/NA	Solid	7471B	
480-163813-5	TP #9, 3	Total/NA	Solid	7471B	
480-163813-6	TP #1, 1-2	Total/NA	Solid	7471B	
480-163813-7	TP9 SURFACE	Total/NA	Solid	7471B	
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	7471B	
480-163813-9	UST PARKING AREA	Total/NA	Solid	7471B	
480-163813-10	SAMPLE 1UST	Total/NA	Solid	7471B	
480-163813-11	SAMPLE 2UST	Total/NA	Solid	7471B	
480-163813-12	SAMPLE 3UST	Total/NA	Solid	7471B	
480-163813-13	SAMPLE 4UST	Total/NA	Solid	7471B	
MB 480-509970/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-509970/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	7471B	
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	7471B	

Analysis Batch: 509976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	7471B	509970
480-163813-2	TP #3, 2-3	Total/NA	Solid	7471B	509970
480-163813-3	TP #5, 1-2	Total/NA	Solid	7471B	509970
480-163813-4	TP #6, 3-4	Total/NA	Solid	7471B	509970
480-163813-5	TP #9, 3	Total/NA	Solid	7471B	509970
480-163813-6	TP #1, 1-2	Total/NA	Solid	7471B	509970
480-163813-7	TP9 SURFACE	Total/NA	Solid	7471B	509970
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	7471B	509970
480-163813-9	UST PARKING AREA	Total/NA	Solid	7471B	509970
480-163813-10	SAMPLE 1UST	Total/NA	Solid	7471B	509970
480-163813-11	SAMPLE 2UST	Total/NA	Solid	7471B	509970
480-163813-12	SAMPLE 3UST	Total/NA	Solid	7471B	509970
480-163813-13	SAMPLE 4UST	Total/NA	Solid	7471B	509970
MB 480-509970/1-A	Method Blank	Total/NA	Solid	7471B	509970
LCSSRM 480-509970/2-A ^5	Lab Control Sample	Total/NA	Solid	7471B	509970
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	7471B	509970
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	7471B	509970

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

General Chemistry

Analysis Batch: 508893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-1	TP #4, 1-2	Total/NA	Solid	Moisture	
480-163813-2	TP #3, 2-3	Total/NA	Solid	Moisture	
480-163813-3	TP #5, 1-2	Total/NA	Solid	Moisture	
480-163813-4	TP #6, 3-4	Total/NA	Solid	Moisture	
480-163813-5	TP #9, 3	Total/NA	Solid	Moisture	
480-163813-6	TP #1, 1-2	Total/NA	Solid	Moisture	
480-163813-10	SAMPLE 1UST	Total/NA	Solid	Moisture	
480-163813-11	SAMPLE 2UST	Total/NA	Solid	Moisture	
480-163813-12	SAMPLE 3UST	Total/NA	Solid	Moisture	
480-163813-13	SAMPLE 4UST	Total/NA	Solid	Moisture	
480-163813-3 MS	TP #5, 1-2	Total/NA	Solid	Moisture	
480-163813-3 MSD	TP #5, 1-2	Total/NA	Solid	Moisture	

Analysis Batch: 509126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-163813-7	TP9 SURFACE	Total/NA	Solid	Moisture	
480-163813-8	CHURCHSTREET BAYAREA	Total/NA	Solid	Moisture	
480-163813-9	UST PARKING AREA	Total/NA	Solid	Moisture	

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #4, 1-2

Date Collected: 12/05/19 08:48

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: TP #4, 1-2

Date Collected: 12/05/19 08:48

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-1

Matrix: Solid

Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			509017	12/07/19 08:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	508963	12/10/19 12:38	CDC	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 16:59	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 11:51	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 18:48	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:01	BMB	TAL BUF

Client Sample ID: TP #3, 2-3

Date Collected: 12/05/19 09:30

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: TP #3, 2-3

Date Collected: 12/05/19 09:30

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-2

Matrix: Solid

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			508768	12/07/19 08:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	508746	12/09/19 12:44	CDC	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 17:24	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 12:04	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 18:52	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:02	BMB	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #5, 1-2

Date Collected: 12/05/19 10:10

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: TP #5, 1-2

Date Collected: 12/05/19 10:10

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-3

Matrix: Solid

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			508768	12/07/19 08:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	508746	12/09/19 13:10	CDC	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		5	509077	12/10/19 16:34	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 10:47	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 18:56	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:04	BMB	TAL BUF

Client Sample ID: TP #6, 3-4

Date Collected: 12/05/19 10:40

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: TP #6, 3-4

Date Collected: 12/05/19 10:40

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-4

Matrix: Solid

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			508768	12/07/19 08:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	508746	12/09/19 13:36	CDC	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 17:49	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 12:17	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:25	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:09	BMB	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP #9, 3

Date Collected: 12/05/19 12:30

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: TP #9, 3

Date Collected: 12/05/19 12:30

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-5

Matrix: Solid

Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			508768	12/07/19 08:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	508746	12/09/19 14:01	CDC	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		10	509077	12/10/19 18:14	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 12:30	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:28	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:10	BMB	TAL BUF

Client Sample ID: TP #1, 1-2

Date Collected: 12/05/19 08:04

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: TP #1, 1-2

Date Collected: 12/05/19 08:04

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-6

Matrix: Solid

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			508768	12/07/19 08:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	508746	12/09/19 14:27	CDC	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 18:39	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 12:43	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:32	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:14	BMB	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: TP9 SURFACE

Date Collected: 12/05/19 12:10

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	509126	12/10/19 15:08	BAS	TAL BUF

Client Sample ID: TP9 SURFACE

Date Collected: 12/05/19 12:10

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-7

Matrix: Solid

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		10	509077	12/10/19 19:05	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 12:55	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:36	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:15	BMB	TAL BUF

Client Sample ID: CHURCHSTREET BAYAREA

Date Collected: 12/05/19 13:00

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	509126	12/10/19 15:08	BAS	TAL BUF

Client Sample ID: CHURCHSTREET BAYAREA

Date Collected: 12/05/19 13:00

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-8

Matrix: Solid

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		10	509077	12/10/19 19:30	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 13:08	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:39	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:17	BMB	TAL BUF

Client Sample ID: UST PARKING AREA

Date Collected: 12/05/19 13:10

Date Received: 12/06/19 15:25

Lab Sample ID: 480-163813-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	509126	12/10/19 15:08	BAS	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: UST PARKING AREA

Lab Sample ID: 480-163813-9

Date Collected: 12/05/19 13:10

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 19:56	PJQ	TAL BUF
Total/NA	Prep	3550C			508728	12/09/19 07:45	SMP	TAL BUF
Total/NA	Analysis	8082A		1	508966	12/10/19 13:21	W1T	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:43	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:18	BMB	TAL BUF

Client Sample ID: SAMPLE 1UST

Lab Sample ID: 480-163813-10

Date Collected: 12/04/19 10:43

Matrix: Solid

Date Received: 12/06/19 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: SAMPLE 1UST

Lab Sample ID: 480-163813-10

Date Collected: 12/04/19 10:43

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			509237	12/11/19 09:08	WJD	TAL BUF
Total/NA	Analysis	8260C		10	509448	12/12/19 13:25	LCH	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 20:21	PJQ	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 19:58	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:19	BMB	TAL BUF

Client Sample ID: SAMPLE 2UST

Lab Sample ID: 480-163813-11

Date Collected: 12/04/19 12:25

Matrix: Solid

Date Received: 12/06/19 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: SAMPLE 2UST

Lab Sample ID: 480-163813-11

Date Collected: 12/04/19 12:25

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			509237	12/11/19 09:08	WJD	TAL BUF
Total/NA	Analysis	8260C		20	509448	12/12/19 13:49	LCH	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 20:46	PJQ	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Client Sample ID: SAMPLE 2UST

Lab Sample ID: 480-163813-11

Date Collected: 12/04/19 12:25

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 20:02	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:21	BMB	TAL BUF

Client Sample ID: SAMPLE 3UST

Lab Sample ID: 480-163813-12

Date Collected: 12/04/19 14:23

Matrix: Solid

Date Received: 12/06/19 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: SAMPLE 3UST

Lab Sample ID: 480-163813-12

Date Collected: 12/04/19 14:23

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			509237	12/11/19 09:08	WJD	TAL BUF
Total/NA	Analysis	8260C		10	509448	12/12/19 14:13	LCH	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		1	509077	12/10/19 21:11	PJQ	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 20:05	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:22	BMB	TAL BUF

Client Sample ID: SAMPLE 4UST

Lab Sample ID: 480-163813-13

Date Collected: 12/04/19 13:52

Matrix: Solid

Date Received: 12/06/19 15:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	508893	12/09/19 15:49	WJD	TAL BUF

Client Sample ID: SAMPLE 4UST

Lab Sample ID: 480-163813-13

Date Collected: 12/04/19 13:52

Matrix: Solid

Date Received: 12/06/19 15:25

Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			509237	12/11/19 09:08	WJD	TAL BUF
Total/NA	Analysis	8260C		4	509448	12/12/19 14:37	LCH	TAL BUF
Total/NA	Prep	3550C			508877	12/09/19 15:01	SGD	TAL BUF
Total/NA	Analysis	8270D		5	509077	12/10/19 21:35	PJQ	TAL BUF
Total/NA	Prep	3050B			508809	12/10/19 14:13	ADM	TAL BUF
Total/NA	Analysis	6010C		1	509518	12/11/19 20:09	AMH	TAL BUF
Total/NA	Prep	7471B			509970	12/15/19 14:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	509976	12/15/19 15:23	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Accreditation/Certification Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	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 = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-163813-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-163813-1	TP #4, 1-2	Solid	12/05/19 08:48	12/06/19 15:25	
480-163813-2	TP #3, 2-3	Solid	12/05/19 09:30	12/06/19 15:25	
480-163813-3	TP #5, 1-2	Solid	12/05/19 10:10	12/06/19 15:25	
480-163813-4	TP #6, 3-4	Solid	12/05/19 10:40	12/06/19 15:25	
480-163813-5	TP #9, 3	Solid	12/05/19 12:30	12/06/19 15:25	
480-163813-6	TP #1, 1-2	Solid	12/05/19 08:04	12/06/19 15:25	
480-163813-7	TP9 SURFACE	Solid	12/05/19 12:10	12/06/19 15:25	
480-163813-8	CHURCHSTREET BAYAREA	Solid	12/05/19 13:00	12/06/19 15:25	
480-163813-9	UST PARKING AREA	Solid	12/05/19 13:10	12/06/19 15:25	
480-163813-10	SAMPLE 1UST	Solid	12/04/19 10:43	12/06/19 15:25	
480-163813-11	SAMPLE 2UST	Solid	12/04/19 12:25	12/06/19 15:25	
480-163813-12	SAMPLE 3UST	Solid	12/04/19 14:23	12/06/19 15:25	
480-163813-13	SAMPLE 4UST	Solid	12/04/19 13:52	12/06/19 15:25	

Chain of Custody Record

Client Information		Lab PM: Fischer, Brian J		Carrier Tracking No(s):		COC No: 480-138611-31178.1	
Client Contact: Mr. Robert Napieralski		E-Mail: brian.fischer@testamericainc.com		Page: 20 F 2		Job #: 2193071	
Company: LaBella Associates DPC		Address: 300 Pearl Street Suite 130		Analysis Requested:		Preservation Codes:	
City: Buffalo		State: NY, 14202		8260C - TCL list OLM04.2		A - HCL	
Phone: 716-551-6283(Tel)		Purchase Order not required		8010C, 7470A		M - Hexane	
Email: rnapieralski@labellapc.com		Project #: 48021314		8270D - TCL SVOA - OLM04.2		N - None	
Project Name: Church Street Project		Site: Emkey Trading W/PCB, North LLC		8260C - CP-51 (STARS) List		O - AsNaO2	
				8260C - TCL list OLM04.2		P - Na2O4S	
				8082A, 8280B PCBs		..-..-..-..	
				8010C, 7471B, Moisture			
				8260C, 8270D, Moisture			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7470A			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (STARS) List			
				8010C, 7471B, Moisture			
				8082A, 8280B PCBs			
				8260C - TCL list OLM04.2			
				8260C - TCL list OLM04.2			
				8260C - CP-51 (ST			

Chain of Custody Record



Client Information Mr. Robert Napieralski LaBella Associates DPC 300 Pearl Street Suite 130 Buffalo State, Zip: NY, 14202 Phone: 716-551-6283 (Tel) Email: rnapieralski@labellapc.com Project Name: Church Street Project Site: EnKey Trading W&B North LLC		Lab PM: Fischer, Brian J E-Mail: brian.fischer@testamericainc.com		Carrier Tracking No(s): COC No: 480-138611-31178-1 Page: Page 1 of 2 Job #: 2193071	
Due Date Requested: TAT Requested (days): STANDARD PO #: Purchase Order not required WO #: Project #: 48021314 SSOWN#:		Analysis Requested Total Number of Containers:			
Sample Identification Sample 1 UST Sample 2 UST Sample 3 UST Sample 4 UST		Sample Date 12/4/19 12/4/19 12/4/19 12/4/19		Sample Time 1043 1205 1423 1352	
Sample Type (C=Comp, G=grab) G G G G		Matrix (Water, Swab, On-surface, Air) Solid Solid Solid Solid		Preservation Code A D A A	
Field Filtered Sample (Yes or No) N N N N		8260C - CP-51 (STARS) List X X X X		8260C - TCL list OLM04.2 N N N N	
6010C, 7471B, Moisture 8082A, 8270D 8260C - TCL list OLM04.2 6010C, 8270D, Moisture 6010C, 8270D, Moisture 8270D - TCL SV0A - OLM04.2 6010C, 7470A 8260C - TCL list OLM04.2		(CP-51 SVCS)		Special Instructions/Note: RCPA METALS SHOULD INCLUDE 7470A ON ALL FOUR SAMPLES	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) CAT B DELIVERABLES					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For 1 Months					
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: 12/6/19 1450 Company: LaBella Relinquished by: _____ Date/Time: 12/6/19 1525 Company: JAD Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Δ Yes Δ No					

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-163813-1

Login Number: 163813

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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	FREEZE TIME 12/7/19 0800
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	
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	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-165137-1
Client Project/Site: Church Street Project

For:
LaBella Associates DPC
300 Pearl Street
Suite 130
Buffalo, New York 14202

Attn: Mr. Robert Napieralski



Authorized for release by:
1/22/2020 3:34:41 PM
Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for
Brian Fischer, Manager of Project Management
(716)504-9835
brian.fischer@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	6
Client Sample Results	7
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	35
Lab Chronicle	37
Certification Summary	39
Method Summary	40
Sample Summary	41
Chain of Custody	42
Receipt Checklists	43

Definitions/Glossary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi 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.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery 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.
α	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: Church Street Project

Job ID: 480-165137-1

Job ID: 480-165137-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-165137-1

Comments

No additional comments.

Receipt

The samples were received on 1/14/2020 11:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-513745 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detect and/or below the reporting limit (RL) for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW1 (480-165137-1), MW2 (480-165137-2) and MW3 (480-165137-3).

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW2 (480-165137-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW3 (480-165137-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-513595 recovered above the upper control limit for 2-Hexanone, Chlorodibromomethane, 4-Methyl-2-pentanone (MIBK), Tetrachloroethene, 1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, and 2-Butanone (MEK). The sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported. The following sample is impacted: TRIP BLANK (480-165137-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW3 (480-165137-3). Elevated reporting limits (RLs) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: MW2 (480-165137-2). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The following sample was diluted due to the nature of the sample matrix: MW3 (480-165137-3). Elevated reporting limits (RLs) are provided.

Method 8082A: The following sample was diluted due to the nature of the sample matrix : MW3 (480-165137-3). As such, surrogate recoveries are below the calibration range or are not reported, and 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.

Metals

Method 6010C: The Serial Dilution (480-165137-A-1-A SD ^5) in batch 480-513586, exhibited results outside the quality control limits for Total Barium and Chromium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Case Narrative

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Job ID: 480-165137-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-513796.

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-513796.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Detection Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW1

Lab Sample ID: 480-165137-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Caprolactam	26		5.0	2.2	ug/L	1		8270D	Total/NA
Arsenic	0.035		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	2.3		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.0035	F1	0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	0.049		0.0040	0.0010	mg/L	1		6010C	Total/NA
Lead	0.11		0.010	0.0030	mg/L	1		6010C	Total/NA
Mercury	0.0014		0.00020	0.00012	mg/L	1		7470A	Total/NA

Client Sample ID: MW2

Lab Sample ID: 480-165137-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	20	6.0	ug/L	2		8260C	Total/NA
Chloroform	1.3	J	2.0	0.68	ug/L	2		8260C	Total/NA
Caprolactam	21		5.2	2.3	ug/L	1		8270D	Total/NA
Arsenic	0.15		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	1.1		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00067	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	0.14		0.0040	0.0010	mg/L	1		6010C	Total/NA
Lead	0.18		0.010	0.0030	mg/L	1		6010C	Total/NA
Mercury	0.00018	J	0.00020	0.00012	mg/L	1		7470A	Total/NA

Client Sample ID: MW3

Lab Sample ID: 480-165137-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	43		10	4.1	ug/L	10		8260C	Total/NA
Cyclohexane	500		10	1.8	ug/L	10		8260C	Total/NA
Ethylbenzene	640		10	7.4	ug/L	10		8260C	Total/NA
Isopropylbenzene	100		10	7.9	ug/L	10		8260C	Total/NA
Methylcyclohexane	440		10	1.6	ug/L	10		8260C	Total/NA
Methylene Chloride	29		10	4.4	ug/L	10		8260C	Total/NA
Toluene	13		10	5.1	ug/L	10		8260C	Total/NA
Xylenes, Total	210		20	6.6	ug/L	10		8260C	Total/NA
2-Methylnaphthalene	67		25	3.0	ug/L	5		8270D	Total/NA
Caprolactam	17	J	25	11	ug/L	5		8270D	Total/NA
Naphthalene	270		25	3.8	ug/L	5		8270D	Total/NA
Arsenic	0.038		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.56		0.0020	0.00070	mg/L	1		6010C	Total/NA
Cadmium	0.00052	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	0.023		0.0040	0.0010	mg/L	1		6010C	Total/NA
Lead	0.038		0.010	0.0030	mg/L	1		6010C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-165137-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW1

Lab Sample ID: 480-165137-1

Date Collected: 01/13/20 09:50

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			01/16/20 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/20 14:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/20 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/20 14:00	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			01/16/20 14:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/20 14:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/20 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/20 14:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/20 14:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/20 14:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/20 14:00	1
1,3-Dichlorobenzene	ND	F1	1.0	0.78	ug/L			01/16/20 14:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/20 14:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/20 14:00	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/20 14:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/20 14:00	1
Acetone	ND		10	3.0	ug/L			01/16/20 14:00	1
Benzene	ND		1.0	0.41	ug/L			01/16/20 14:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/20 14:00	1
Bromoform	ND		1.0	0.26	ug/L			01/16/20 14:00	1
Bromomethane	ND	F2	1.0	0.69	ug/L			01/16/20 14:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/20 14:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/20 14:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/20 14:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/20 14:00	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/20 14:00	1
Chloroform	ND		1.0	0.34	ug/L			01/16/20 14:00	1
Chloromethane	ND		1.0	0.35	ug/L			01/16/20 14:00	1
cis-1,2-Dichloroethene	ND	F1	1.0	0.81	ug/L			01/16/20 14:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/20 14:00	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/20 14:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/20 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/20 14:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/20 14:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/20 14:00	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/20 14:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/20 14:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/20 14:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/20 14:00	1
Styrene	ND		1.0	0.73	ug/L			01/16/20 14:00	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			01/16/20 14:00	1
Toluene	ND		1.0	0.51	ug/L			01/16/20 14:00	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			01/16/20 14:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/20 14:00	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/20 14:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/20 14:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/20 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/20 14:00	1

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW1

Lab Sample ID: 480-165137-1

Date Collected: 01/13/20 09:50

Matrix: Water

Date Received: 01/14/20 11:55

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		80 - 120		01/16/20 14:00	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		01/16/20 14:00	1
4-Bromofluorobenzene (Surr)	113		73 - 120		01/16/20 14:00	1
Dibromofluoromethane (Surr)	107		75 - 123		01/16/20 14:00	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		01/16/20 08:58	01/17/20 21:51	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/16/20 08:58	01/17/20 21:51	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 21:51	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/16/20 08:58	01/17/20 21:51	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/16/20 08:58	01/17/20 21:51	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 21:51	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/16/20 08:58	01/17/20 21:51	1
2-Nitroaniline	ND		10	0.42	ug/L		01/16/20 08:58	01/17/20 21:51	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/16/20 08:58	01/17/20 21:51	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 21:51	1
3-Nitroaniline	ND		10	0.48	ug/L		01/16/20 08:58	01/17/20 21:51	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Methylphenol	ND		10	0.36	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Nitroaniline	ND		10	0.25	ug/L		01/16/20 08:58	01/17/20 21:51	1
4-Nitrophenol	ND		10	1.5	ug/L		01/16/20 08:58	01/17/20 21:51	1
Acenaphthene	ND		5.0	0.41	ug/L		01/16/20 08:58	01/17/20 21:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/16/20 08:58	01/17/20 21:51	1
Acetophenone	ND		5.0	0.54	ug/L		01/16/20 08:58	01/17/20 21:51	1
Anthracene	ND		5.0	0.28	ug/L		01/16/20 08:58	01/17/20 21:51	1
Atrazine	ND		5.0	0.46	ug/L		01/16/20 08:58	01/17/20 21:51	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/16/20 08:58	01/17/20 21:51	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/16/20 08:58	01/17/20 21:51	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/16/20 08:58	01/17/20 21:51	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/16/20 08:58	01/17/20 21:51	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/16/20 08:58	01/17/20 21:51	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/16/20 08:58	01/17/20 21:51	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/16/20 08:58	01/17/20 21:51	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 21:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/16/20 08:58	01/17/20 21:51	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/16/20 08:58	01/17/20 21:51	1
Caprolactam	26		5.0	2.2	ug/L		01/16/20 08:58	01/17/20 21:51	1
Carbazole	ND		5.0	0.30	ug/L		01/16/20 08:58	01/17/20 21:51	1
Chrysene	ND		5.0	0.33	ug/L		01/16/20 08:58	01/17/20 21:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW1

Lab Sample ID: 480-165137-1

Date Collected: 01/13/20 09:50

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/16/20 08:58	01/17/20 21:51	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/16/20 08:58	01/17/20 21:51	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/16/20 08:58	01/17/20 21:51	1
Dibenzofuran	ND		10	0.51	ug/L		01/16/20 08:58	01/17/20 21:51	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/16/20 08:58	01/17/20 21:51	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/16/20 08:58	01/17/20 21:51	1
Fluoranthene	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 21:51	1
Fluorene	ND		5.0	0.36	ug/L		01/16/20 08:58	01/17/20 21:51	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/16/20 08:58	01/17/20 21:51	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/16/20 08:58	01/17/20 21:51	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/16/20 08:58	01/17/20 21:51	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/16/20 08:58	01/17/20 21:51	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/16/20 08:58	01/17/20 21:51	1
Isophorone	ND		5.0	0.43	ug/L		01/16/20 08:58	01/17/20 21:51	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/16/20 08:58	01/17/20 21:51	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/16/20 08:58	01/17/20 21:51	1
Naphthalene	ND		5.0	0.76	ug/L		01/16/20 08:58	01/17/20 21:51	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/16/20 08:58	01/17/20 21:51	1
Pentachlorophenol	ND		10	2.2	ug/L		01/16/20 08:58	01/17/20 21:51	1
Phenanthrene	ND		5.0	0.44	ug/L		01/16/20 08:58	01/17/20 21:51	1
Phenol	ND		5.0	0.39	ug/L		01/16/20 08:58	01/17/20 21:51	1
Pyrene	ND		5.0	0.34	ug/L		01/16/20 08:58	01/17/20 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	85		46 - 120	01/16/20 08:58	01/17/20 21:51	1
Phenol-d5 (Surr)	49		22 - 120	01/16/20 08:58	01/17/20 21:51	1
p-Terphenyl-d14 (Surr)	78		60 - 148	01/16/20 08:58	01/17/20 21:51	1
2,4,6-Tribromophenol (Surr)	76		41 - 120	01/16/20 08:58	01/17/20 21:51	1
2-Fluorobiphenyl	92		48 - 120	01/16/20 08:58	01/17/20 21:51	1
2-Fluorophenol (Surr)	66		35 - 120	01/16/20 08:58	01/17/20 21:51	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:51	1
PCB-1221	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:51	1
PCB-1232	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:51	1
PCB-1242	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:51	1
PCB-1248	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:51	1
PCB-1254	ND		0.50	0.25	ug/L		01/15/20 15:18	01/16/20 15:51	1
PCB-1260	ND		0.50	0.25	ug/L		01/15/20 15:18	01/16/20 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	64		39 - 121	01/15/20 15:18	01/16/20 15:51	1
DCB Decachlorobiphenyl	43		19 - 120	01/15/20 15:18	01/16/20 15:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.035		0.015	0.0056	mg/L		01/15/20 07:34	01/15/20 17:59	1
Barium	2.3		0.0020	0.00070	mg/L		01/15/20 07:34	01/15/20 17:59	1
Cadmium	0.0035	F1	0.0020	0.00050	mg/L		01/15/20 07:34	01/15/20 17:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW1

Date Collected: 01/13/20 09:50

Date Received: 01/14/20 11:55

Lab Sample ID: 480-165137-1

Matrix: Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.049		0.0040	0.0010	mg/L		01/15/20 07:34	01/15/20 17:59	1
Lead	0.11		0.010	0.0030	mg/L		01/15/20 07:34	01/15/20 17:59	1
Selenium	ND	F1	0.025	0.0087	mg/L		01/15/20 07:34	01/15/20 17:59	1
Silver	ND		0.0060	0.0017	mg/L		01/15/20 07:34	01/15/20 17:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0014		0.00020	0.00012	mg/L		01/16/20 11:44	01/16/20 15:05	1

Client Sample ID: MW2

Date Collected: 01/13/20 12:56

Date Received: 01/14/20 11:55

Lab Sample ID: 480-165137-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			01/16/20 14:23	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/16/20 14:23	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/16/20 14:23	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			01/16/20 14:23	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			01/16/20 14:23	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			01/16/20 14:23	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			01/16/20 14:23	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			01/16/20 14:23	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			01/16/20 14:23	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/16/20 14:23	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/16/20 14:23	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			01/16/20 14:23	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			01/16/20 14:23	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/16/20 14:23	2
2-Hexanone	ND		10	2.5	ug/L			01/16/20 14:23	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/16/20 14:23	2
Acetone	11	J	20	6.0	ug/L			01/16/20 14:23	2
Benzene	ND		2.0	0.82	ug/L			01/16/20 14:23	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/16/20 14:23	2
Bromoform	ND		2.0	0.52	ug/L			01/16/20 14:23	2
Bromomethane	ND		2.0	1.4	ug/L			01/16/20 14:23	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/16/20 14:23	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/16/20 14:23	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/16/20 14:23	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/16/20 14:23	2
Chloroethane	ND		2.0	0.64	ug/L			01/16/20 14:23	2
Chloroform	1.3	J	2.0	0.68	ug/L			01/16/20 14:23	2
Chloromethane	ND		2.0	0.70	ug/L			01/16/20 14:23	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			01/16/20 14:23	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/16/20 14:23	2
Cyclohexane	ND		2.0	0.36	ug/L			01/16/20 14:23	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			01/16/20 14:23	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/16/20 14:23	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			01/16/20 14:23	2
Isopropylbenzene	ND		2.0	1.6	ug/L			01/16/20 14:23	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW2

Lab Sample ID: 480-165137-2

Date Collected: 01/13/20 12:56

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	ND		5.0	2.6	ug/L			01/16/20 14:23	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			01/16/20 14:23	2
Methylcyclohexane	ND		2.0	0.32	ug/L			01/16/20 14:23	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/16/20 14:23	2
Styrene	ND		2.0	1.5	ug/L			01/16/20 14:23	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/16/20 14:23	2
Toluene	ND		2.0	1.0	ug/L			01/16/20 14:23	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/16/20 14:23	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/16/20 14:23	2
Trichloroethene	ND		2.0	0.92	ug/L			01/16/20 14:23	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			01/16/20 14:23	2
Vinyl chloride	ND		2.0	1.8	ug/L			01/16/20 14:23	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/16/20 14:23	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		01/16/20 14:23	2
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		01/16/20 14:23	2
4-Bromofluorobenzene (Surr)	116		73 - 120		01/16/20 14:23	2
Dibromofluoromethane (Surr)	102		75 - 123		01/16/20 14:23	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.2	0.68	ug/L		01/16/20 08:58	01/17/20 22:19	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,4,6-Trichlorophenol	ND		5.2	0.64	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,4-Dimethylphenol	ND		5.2	0.52	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,4-Dinitrotoluene	ND		5.2	0.47	ug/L		01/16/20 08:58	01/17/20 22:19	1
2,6-Dinitrotoluene	ND		5.2	0.42	ug/L		01/16/20 08:58	01/17/20 22:19	1
2-Chloronaphthalene	ND		5.2	0.48	ug/L		01/16/20 08:58	01/17/20 22:19	1
2-Chlorophenol	ND		5.2	0.55	ug/L		01/16/20 08:58	01/17/20 22:19	1
2-Methylphenol	ND		5.2	0.42	ug/L		01/16/20 08:58	01/17/20 22:19	1
2-Methylnaphthalene	ND		5.2	0.63	ug/L		01/16/20 08:58	01/17/20 22:19	1
2-Nitroaniline	ND		10	0.44	ug/L		01/16/20 08:58	01/17/20 22:19	1
2-Nitrophenol	ND		5.2	0.50	ug/L		01/16/20 08:58	01/17/20 22:19	1
3,3'-Dichlorobenzidine	ND		5.2	0.42	ug/L		01/16/20 08:58	01/17/20 22:19	1
3-Nitroaniline	ND		10	0.50	ug/L		01/16/20 08:58	01/17/20 22:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Bromophenyl phenyl ether	ND		5.2	0.47	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Chloro-3-methylphenol	ND		5.2	0.47	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Chloroaniline	ND		5.2	0.61	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Methylphenol	ND		10	0.38	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Nitroaniline	ND		10	0.26	ug/L		01/16/20 08:58	01/17/20 22:19	1
4-Nitrophenol	ND		10	1.6	ug/L		01/16/20 08:58	01/17/20 22:19	1
Acenaphthene	ND		5.2	0.43	ug/L		01/16/20 08:58	01/17/20 22:19	1
Acenaphthylene	ND		5.2	0.40	ug/L		01/16/20 08:58	01/17/20 22:19	1
Acetophenone	ND		5.2	0.56	ug/L		01/16/20 08:58	01/17/20 22:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW2

Lab Sample ID: 480-165137-2

Date Collected: 01/13/20 12:56

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		5.2	0.29	ug/L		01/16/20 08:58	01/17/20 22:19	1
Atrazine	ND		5.2	0.48	ug/L		01/16/20 08:58	01/17/20 22:19	1
Benzaldehyde	ND		5.2	0.28	ug/L		01/16/20 08:58	01/17/20 22:19	1
Benzo[a]anthracene	ND		5.2	0.38	ug/L		01/16/20 08:58	01/17/20 22:19	1
Benzo[a]pyrene	ND		5.2	0.49	ug/L		01/16/20 08:58	01/17/20 22:19	1
Benzo[b]fluoranthene	ND		5.2	0.35	ug/L		01/16/20 08:58	01/17/20 22:19	1
Benzo[g,h,i]perylene	ND		5.2	0.36	ug/L		01/16/20 08:58	01/17/20 22:19	1
Benzo[k]fluoranthene	ND		5.2	0.76	ug/L		01/16/20 08:58	01/17/20 22:19	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		01/16/20 08:58	01/17/20 22:19	1
Bis(2-chloroethyl)ether	ND		5.2	0.42	ug/L		01/16/20 08:58	01/17/20 22:19	1
Bis(2-ethylhexyl) phthalate	ND		5.2	2.3	ug/L		01/16/20 08:58	01/17/20 22:19	1
Butyl benzyl phthalate	ND		5.2	1.0	ug/L		01/16/20 08:58	01/17/20 22:19	1
Caprolactam	21		5.2	2.3	ug/L		01/16/20 08:58	01/17/20 22:19	1
Carbazole	ND		5.2	0.31	ug/L		01/16/20 08:58	01/17/20 22:19	1
Chrysene	ND		5.2	0.34	ug/L		01/16/20 08:58	01/17/20 22:19	1
Dibenz(a,h)anthracene	ND		5.2	0.44	ug/L		01/16/20 08:58	01/17/20 22:19	1
Di-n-butyl phthalate	ND		5.2	0.32	ug/L		01/16/20 08:58	01/17/20 22:19	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		01/16/20 08:58	01/17/20 22:19	1
Dibenzofuran	ND		10	0.53	ug/L		01/16/20 08:58	01/17/20 22:19	1
Diethyl phthalate	ND		5.2	0.23	ug/L		01/16/20 08:58	01/17/20 22:19	1
Dimethyl phthalate	ND		5.2	0.38	ug/L		01/16/20 08:58	01/17/20 22:19	1
Fluoranthene	ND		5.2	0.42	ug/L		01/16/20 08:58	01/17/20 22:19	1
Fluorene	ND		5.2	0.38	ug/L		01/16/20 08:58	01/17/20 22:19	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		01/16/20 08:58	01/17/20 22:19	1
Hexachlorobutadiene	ND		5.2	0.71	ug/L		01/16/20 08:58	01/17/20 22:19	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		01/16/20 08:58	01/17/20 22:19	1
Hexachloroethane	ND		5.2	0.61	ug/L		01/16/20 08:58	01/17/20 22:19	1
Indeno[1,2,3-cd]pyrene	ND		5.2	0.49	ug/L		01/16/20 08:58	01/17/20 22:19	1
Isophorone	ND		5.2	0.45	ug/L		01/16/20 08:58	01/17/20 22:19	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		01/16/20 08:58	01/17/20 22:19	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		01/16/20 08:58	01/17/20 22:19	1
Naphthalene	ND		5.2	0.79	ug/L		01/16/20 08:58	01/17/20 22:19	1
Nitrobenzene	ND		5.2	0.30	ug/L		01/16/20 08:58	01/17/20 22:19	1
Pentachlorophenol	ND		10	2.3	ug/L		01/16/20 08:58	01/17/20 22:19	1
Phenanthrene	ND		5.2	0.46	ug/L		01/16/20 08:58	01/17/20 22:19	1
Phenol	ND		5.2	0.41	ug/L		01/16/20 08:58	01/17/20 22:19	1
Pyrene	ND		5.2	0.35	ug/L		01/16/20 08:58	01/17/20 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		46 - 120	01/16/20 08:58	01/17/20 22:19	1
Phenol-d5 (Surr)	56		22 - 120	01/16/20 08:58	01/17/20 22:19	1
p-Terphenyl-d14 (Surr)	58	X	60 - 148	01/16/20 08:58	01/17/20 22:19	1
2,4,6-Tribromophenol (Surr)	87		41 - 120	01/16/20 08:58	01/17/20 22:19	1
2-Fluorobiphenyl	99		48 - 120	01/16/20 08:58	01/17/20 22:19	1
2-Fluorophenol (Surr)	72		35 - 120	01/16/20 08:58	01/17/20 22:19	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 16:04	1
PCB-1221	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 16:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW2

Lab Sample ID: 480-165137-2

Date Collected: 01/13/20 12:56

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 16:04	1
PCB-1242	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 16:04	1
PCB-1248	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 16:04	1
PCB-1254	ND		0.50	0.25	ug/L		01/15/20 15:18	01/16/20 16:04	1
PCB-1260	ND		0.50	0.25	ug/L		01/15/20 15:18	01/16/20 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	51		39 - 121				01/15/20 15:18	01/16/20 16:04	1
DCB Decachlorobiphenyl	27		19 - 120				01/15/20 15:18	01/16/20 16:04	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.15		0.015	0.0056	mg/L		01/15/20 07:34	01/15/20 18:28	1
Barium	1.1		0.0020	0.00070	mg/L		01/15/20 07:34	01/15/20 18:28	1
Cadmium	0.00067	J	0.0020	0.00050	mg/L		01/15/20 07:34	01/15/20 18:28	1
Chromium	0.14		0.0040	0.0010	mg/L		01/15/20 07:34	01/15/20 18:28	1
Lead	0.18		0.010	0.0030	mg/L		01/15/20 07:34	01/15/20 18:28	1
Selenium	ND		0.025	0.0087	mg/L		01/15/20 07:34	01/15/20 18:28	1
Silver	ND		0.0060	0.0017	mg/L		01/15/20 07:34	01/15/20 18:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00018	J	0.00020	0.00012	mg/L		01/16/20 11:44	01/16/20 15:10	1

Client Sample ID: MW3

Lab Sample ID: 480-165137-3

Date Collected: 01/13/20 12:30

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			01/16/20 14:46	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			01/16/20 14:46	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			01/16/20 14:46	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			01/16/20 14:46	10
1,1-Dichloroethane	ND		10	3.8	ug/L			01/16/20 14:46	10
1,1-Dichloroethene	ND		10	2.9	ug/L			01/16/20 14:46	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			01/16/20 14:46	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			01/16/20 14:46	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			01/16/20 14:46	10
1,2-Dichloroethane	ND		10	2.1	ug/L			01/16/20 14:46	10
1,2-Dichloropropane	ND		10	7.2	ug/L			01/16/20 14:46	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			01/16/20 14:46	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			01/16/20 14:46	10
2-Butanone (MEK)	ND		100	13	ug/L			01/16/20 14:46	10
2-Hexanone	ND		50	12	ug/L			01/16/20 14:46	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			01/16/20 14:46	10
Acetone	ND		100	30	ug/L			01/16/20 14:46	10
Benzene	43		10	4.1	ug/L			01/16/20 14:46	10
Bromodichloromethane	ND		10	3.9	ug/L			01/16/20 14:46	10
Bromoform	ND		10	2.6	ug/L			01/16/20 14:46	10
Bromomethane	ND		10	6.9	ug/L			01/16/20 14:46	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW3

Lab Sample ID: 480-165137-3

Date Collected: 01/13/20 12:30

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		10	1.9	ug/L			01/16/20 14:46	10
Carbon tetrachloride	ND		10	2.7	ug/L			01/16/20 14:46	10
Chlorobenzene	ND		10	7.5	ug/L			01/16/20 14:46	10
Dibromochloromethane	ND		10	3.2	ug/L			01/16/20 14:46	10
Chloroethane	ND		10	3.2	ug/L			01/16/20 14:46	10
Chloroform	ND		10	3.4	ug/L			01/16/20 14:46	10
Chloromethane	ND		10	3.5	ug/L			01/16/20 14:46	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			01/16/20 14:46	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			01/16/20 14:46	10
Cyclohexane	500		10	1.8	ug/L			01/16/20 14:46	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			01/16/20 14:46	10
Ethylbenzene	640		10	7.4	ug/L			01/16/20 14:46	10
1,2-Dibromoethane	ND		10	7.3	ug/L			01/16/20 14:46	10
Isopropylbenzene	100		10	7.9	ug/L			01/16/20 14:46	10
Methyl acetate	ND		25	13	ug/L			01/16/20 14:46	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			01/16/20 14:46	10
Methylcyclohexane	440		10	1.6	ug/L			01/16/20 14:46	10
Methylene Chloride	29		10	4.4	ug/L			01/16/20 14:46	10
Styrene	ND		10	7.3	ug/L			01/16/20 14:46	10
Tetrachloroethene	ND		10	3.6	ug/L			01/16/20 14:46	10
Toluene	13		10	5.1	ug/L			01/16/20 14:46	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			01/16/20 14:46	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			01/16/20 14:46	10
Trichloroethene	ND		10	4.6	ug/L			01/16/20 14:46	10
Trichlorofluoromethane	ND		10	8.8	ug/L			01/16/20 14:46	10
Vinyl chloride	ND		10	9.0	ug/L			01/16/20 14:46	10
Xylenes, Total	210		20	6.6	ug/L			01/16/20 14:46	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	92		80 - 120		01/16/20 14:46	10
<i>1,2-Dichloroethane-d4 (Surr)</i>	90		77 - 120		01/16/20 14:46	10
<i>4-Bromofluorobenzene (Surr)</i>	106		73 - 120		01/16/20 14:46	10
<i>Dibromofluoromethane (Surr)</i>	91		75 - 123		01/16/20 14:46	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,4-Dinitrophenol	ND		50	11	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		01/16/20 08:58	01/17/20 22:46	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
2-Chloronaphthalene	ND		25	2.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
2-Chlorophenol	ND		25	2.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
2-Methylphenol	ND		25	2.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
2-Methylnaphthalene	67		25	3.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
2-Nitroaniline	ND		50	2.1	ug/L		01/16/20 08:58	01/17/20 22:46	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW3

Lab Sample ID: 480-165137-3

Date Collected: 01/13/20 12:30

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	ND		25	2.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
3-Nitroaniline	ND		50	2.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Chloroaniline	ND		25	3.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Methylphenol	ND		50	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Nitroaniline	ND		50	1.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
4-Nitrophenol	ND		50	7.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
Acenaphthene	ND		25	2.1	ug/L		01/16/20 08:58	01/17/20 22:46	5
Acenaphthylene	ND		25	1.9	ug/L		01/16/20 08:58	01/17/20 22:46	5
Acetophenone	ND		25	2.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
Anthracene	ND		25	1.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
Atrazine	ND		25	2.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
Benzaldehyde	ND		25	1.3	ug/L		01/16/20 08:58	01/17/20 22:46	5
Benzo[a]anthracene	ND		25	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
Benzo[a]pyrene	ND		25	2.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		01/16/20 08:58	01/17/20 22:46	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
Caprolactam	17	J	25	11	ug/L		01/16/20 08:58	01/17/20 22:46	5
Carbazole	ND		25	1.5	ug/L		01/16/20 08:58	01/17/20 22:46	5
Chrysene	ND		25	1.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		01/16/20 08:58	01/17/20 22:46	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
Dibenzofuran	ND		50	2.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
Diethyl phthalate	ND		25	1.1	ug/L		01/16/20 08:58	01/17/20 22:46	5
Dimethyl phthalate	ND		25	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
Fluoranthene	ND		25	2.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
Fluorene	ND		25	1.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
Hexachlorobenzene	ND		25	2.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
Hexachlorobutadiene	ND		25	3.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
Hexachloroethane	ND		25	3.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		01/16/20 08:58	01/17/20 22:46	5
Isophorone	ND		25	2.2	ug/L		01/16/20 08:58	01/17/20 22:46	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		01/16/20 08:58	01/17/20 22:46	5
Naphthalene	270		25	3.8	ug/L		01/16/20 08:58	01/17/20 22:46	5
Nitrobenzene	ND		25	1.5	ug/L		01/16/20 08:58	01/17/20 22:46	5
Pentachlorophenol	ND		50	11	ug/L		01/16/20 08:58	01/17/20 22:46	5
Phenanthrene	ND		25	2.2	ug/L		01/16/20 08:58	01/17/20 22:46	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW3

Lab Sample ID: 480-165137-3

Date Collected: 01/13/20 12:30

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	ND		25	2.0	ug/L		01/16/20 08:58	01/17/20 22:46	5
Pyrene	ND		25	1.7	ug/L		01/16/20 08:58	01/17/20 22:46	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	92		46 - 120				01/16/20 08:58	01/17/20 22:46	5
Phenol-d5 (Surr)	55		22 - 120				01/16/20 08:58	01/17/20 22:46	5
p-Terphenyl-d14 (Surr)	75		60 - 148				01/16/20 08:58	01/17/20 22:46	5
2,4,6-Tribromophenol (Surr)	91		41 - 120				01/16/20 08:58	01/17/20 22:46	5
2-Fluorobiphenyl	104		48 - 120				01/16/20 08:58	01/17/20 22:46	5
2-Fluorophenol (Surr)	75		35 - 120				01/16/20 08:58	01/17/20 22:46	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		5.0	1.8	ug/L		01/15/20 15:18	01/16/20 18:59	10
PCB-1221	ND		5.0	1.8	ug/L		01/15/20 15:18	01/16/20 18:59	10
PCB-1232	ND		5.0	1.8	ug/L		01/15/20 15:18	01/16/20 18:59	10
PCB-1242	ND		5.0	1.8	ug/L		01/15/20 15:18	01/16/20 18:59	10
PCB-1248	ND		5.0	1.8	ug/L		01/15/20 15:18	01/16/20 18:59	10
PCB-1254	ND		5.0	2.5	ug/L		01/15/20 15:18	01/16/20 18:59	10
PCB-1260	ND		5.0	2.5	ug/L		01/15/20 15:18	01/16/20 18:59	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	16	X	39 - 121				01/15/20 15:18	01/16/20 18:59	10
DCB Decachlorobiphenyl	0	X	19 - 120				01/15/20 15:18	01/16/20 18:59	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038		0.015	0.0056	mg/L		01/15/20 07:34	01/15/20 18:32	1
Barium	0.56		0.0020	0.00070	mg/L		01/15/20 07:34	01/15/20 18:32	1
Cadmium	0.00052	J	0.0020	0.00050	mg/L		01/15/20 07:34	01/15/20 18:32	1
Chromium	0.023		0.0040	0.0010	mg/L		01/15/20 07:34	01/15/20 18:32	1
Lead	0.038		0.010	0.0030	mg/L		01/15/20 07:34	01/15/20 18:32	1
Selenium	ND		0.025	0.0087	mg/L		01/15/20 07:34	01/15/20 18:32	1
Silver	ND		0.0060	0.0017	mg/L		01/15/20 07:34	01/15/20 18:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/16/20 11:44	01/16/20 15:12	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-165137-4

Date Collected: 01/13/20 09:50

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/15/20 14:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/20 14:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/20 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/20 14:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/20 14:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/20 14:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-165137-4

Date Collected: 01/13/20 09:50

Matrix: Water

Date Received: 01/14/20 11:55

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/20 14:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/20 14:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/20 14:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/20 14:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/20 14:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/20 14:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/20 14:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/20 14:45	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/20 14:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/20 14:45	1
Acetone	ND		10	3.0	ug/L			01/15/20 14:45	1
Benzene	ND		1.0	0.41	ug/L			01/15/20 14:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/20 14:45	1
Bromoform	ND		1.0	0.26	ug/L			01/15/20 14:45	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/20 14:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/20 14:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/20 14:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/20 14:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/20 14:45	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/20 14:45	1
Chloroform	ND		1.0	0.34	ug/L			01/15/20 14:45	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/20 14:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/20 14:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/20 14:45	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/20 14:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/20 14:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/20 14:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/20 14:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/20 14:45	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/20 14:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/20 14:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/20 14:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/20 14:45	1
Styrene	ND		1.0	0.73	ug/L			01/15/20 14:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/20 14:45	1
Toluene	ND		1.0	0.51	ug/L			01/15/20 14:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/20 14:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/20 14:45	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/20 14:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/20 14:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/20 14:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/20 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		01/15/20 14:45	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/15/20 14:45	1
4-Bromofluorobenzene (Surr)	114		73 - 120		01/15/20 14:45	1
Dibromofluoromethane (Surr)	109		75 - 123		01/15/20 14:45	1

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-165137-1	MW1	95	102	113	107
480-165137-1 MS	MW1	95	100	115	100
480-165137-1 MSD	MW1	98	97	116	99
480-165137-2	MW2	97	95	116	102
480-165137-3	MW3	92	90	106	91
480-165137-4	TRIP BLANK	99	101	114	109
LCS 480-513595/5	Lab Control Sample	101	104	113	108
LCS 480-513745/5	Lab Control Sample	100	100	116	105
MB 480-513595/7	Method Blank	96	107	111	106
MB 480-513745/7	Method Blank	98	100	114	99

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (46-120)	PHL (22-120)	TPHd14 (60-148)	TBP (41-120)	FBP (48-120)	2FP (35-120)
480-165137-1	MW1	85	49	78	76	92	66
480-165137-2	MW2	89	56	58 X	87	99	72
480-165137-3	MW3	92	55	75	91	104	75
LCS 480-513796/2-A	Lab Control Sample	94	61	100	101	93	73
LCSD 480-513796/3-A	Lab Control Sample Dup	101	62	107	111	100	77
MB 480-513796/1-A	Method Blank	79	47	96	70	83	61

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TCX1 (39-121)	DCBP1 (19-120)
480-165137-1	MW1	64	43
480-165137-1 MS	MW1	66	38
480-165137-1 MSD	MW1	76	42
480-165137-2	MW2	51	27
480-165137-3	MW3	16 X	0 X
LCS 480-513696/2-A	Lab Control Sample	70	36
MB 480-513696/1-A	Method Blank	55	44

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-513595/7
Matrix: Water
Analysis Batch: 513595

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/15/20 12:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/15/20 12:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/15/20 12:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/15/20 12:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/15/20 12:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/15/20 12:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/15/20 12:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/15/20 12:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/15/20 12:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/15/20 12:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/15/20 12:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/15/20 12:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/15/20 12:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/15/20 12:10	1
2-Hexanone	ND		5.0	1.2	ug/L			01/15/20 12:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/15/20 12:10	1
Acetone	ND		10	3.0	ug/L			01/15/20 12:10	1
Benzene	ND		1.0	0.41	ug/L			01/15/20 12:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/15/20 12:10	1
Bromoform	ND		1.0	0.26	ug/L			01/15/20 12:10	1
Bromomethane	ND		1.0	0.69	ug/L			01/15/20 12:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/15/20 12:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/15/20 12:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/15/20 12:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/15/20 12:10	1
Chloroethane	ND		1.0	0.32	ug/L			01/15/20 12:10	1
Chloroform	ND		1.0	0.34	ug/L			01/15/20 12:10	1
Chloromethane	ND		1.0	0.35	ug/L			01/15/20 12:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/15/20 12:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/15/20 12:10	1
Cyclohexane	ND		1.0	0.18	ug/L			01/15/20 12:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/15/20 12:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/15/20 12:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/15/20 12:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/15/20 12:10	1
Methyl acetate	ND		2.5	1.3	ug/L			01/15/20 12:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/15/20 12:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/15/20 12:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/15/20 12:10	1
Styrene	ND		1.0	0.73	ug/L			01/15/20 12:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/15/20 12:10	1
Toluene	ND		1.0	0.51	ug/L			01/15/20 12:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/15/20 12:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/15/20 12:10	1
Trichloroethene	ND		1.0	0.46	ug/L			01/15/20 12:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/15/20 12:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/15/20 12:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/15/20 12:10	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-513595/7
Matrix: Water
Analysis Batch: 513595

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	96		80 - 120		01/15/20 12:10	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		01/15/20 12:10	1
4-Bromofluorobenzene (Surr)	111		73 - 120		01/15/20 12:10	1
Dibromofluoromethane (Surr)	106		75 - 123		01/15/20 12:10	1

Lab Sample ID: LCS 480-513595/5
Matrix: Water
Analysis Batch: 513595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	25.0	29.0		ug/L		116	73 - 126
1,1,1,2-Tetrachloroethane	25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	32.0		ug/L		128	61 - 148
1,1-Dichloroethane	25.0	27.5		ug/L		110	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.2		ug/L		89	56 - 134
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 124
1,2-Dichloroethane	25.0	27.7		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	27.9		ug/L		112	76 - 120
1,3-Dichlorobenzene	25.0	26.5		ug/L		106	77 - 120
1,4-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 120
2-Butanone (MEK)	125	171		ug/L		137	57 - 140
2-Hexanone	125	145		ug/L		116	65 - 127
4-Methyl-2-pentanone (MIBK)	125	144		ug/L		115	71 - 125
Acetone	125	175		ug/L		140	56 - 142
Benzene	25.0	27.0		ug/L		108	71 - 124
Bromodichloromethane	25.0	29.2		ug/L		117	80 - 122
Bromoform	25.0	29.3		ug/L		117	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	26.6		ug/L		106	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Dibromochloromethane	25.0	27.7		ug/L		111	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	23.7		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	28.1		ug/L		112	74 - 124
Cyclohexane	25.0	28.9		ug/L		115	59 - 135
Dichlorodifluoromethane	25.0	20.5		ug/L		82	59 - 135
Ethylbenzene	25.0	26.4		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	27.4		ug/L		110	77 - 120
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
Methyl acetate	50.0	61.9		ug/L		124	74 - 133
Methyl tert-butyl ether	25.0	24.7		ug/L		99	77 - 120
Methylcyclohexane	25.0	27.9		ug/L		112	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-513595/5
Matrix: Water
Analysis Batch: 513595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	27.0		ug/L		108	75 - 124
Styrene	25.0	26.8		ug/L		107	80 - 120
Tetrachloroethene	25.0	28.6		ug/L		114	74 - 122
Toluene	25.0	26.2		ug/L		105	80 - 122
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	27.7		ug/L		111	74 - 123
Trichlorofluoromethane	25.0	28.8		ug/L		115	62 - 150
Vinyl chloride	25.0	22.9		ug/L		92	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	113		73 - 120
Dibromofluoromethane (Surr)	108		75 - 123

Lab Sample ID: MB 480-513745/7
Matrix: Water
Analysis Batch: 513745

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/16/20 11:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/16/20 11:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/16/20 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/16/20 11:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/16/20 11:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/16/20 11:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/16/20 11:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/16/20 11:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/16/20 11:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/16/20 11:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/16/20 11:12	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/16/20 11:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/16/20 11:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/16/20 11:12	1
2-Hexanone	ND		5.0	1.2	ug/L			01/16/20 11:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/16/20 11:12	1
Acetone	ND		10	3.0	ug/L			01/16/20 11:12	1
Benzene	ND		1.0	0.41	ug/L			01/16/20 11:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/16/20 11:12	1
Bromoform	ND		1.0	0.26	ug/L			01/16/20 11:12	1
Bromomethane	ND		1.0	0.69	ug/L			01/16/20 11:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/16/20 11:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/16/20 11:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/16/20 11:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/16/20 11:12	1
Chloroethane	ND		1.0	0.32	ug/L			01/16/20 11:12	1
Chloroform	ND		1.0	0.34	ug/L			01/16/20 11:12	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-513745/7
Matrix: Water
Analysis Batch: 513745

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			01/16/20 11:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/16/20 11:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/16/20 11:12	1
Cyclohexane	ND		1.0	0.18	ug/L			01/16/20 11:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/16/20 11:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/16/20 11:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/16/20 11:12	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/16/20 11:12	1
Methyl acetate	ND		2.5	1.3	ug/L			01/16/20 11:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/16/20 11:12	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/16/20 11:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/16/20 11:12	1
Styrene	ND		1.0	0.73	ug/L			01/16/20 11:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/16/20 11:12	1
Toluene	ND		1.0	0.51	ug/L			01/16/20 11:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/16/20 11:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/16/20 11:12	1
Trichloroethene	ND		1.0	0.46	ug/L			01/16/20 11:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/16/20 11:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/16/20 11:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/16/20 11:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		01/16/20 11:12	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		01/16/20 11:12	1
4-Bromofluorobenzene (Surr)	114		73 - 120		01/16/20 11:12	1
Dibromofluoromethane (Surr)	99		75 - 123		01/16/20 11:12	1

Lab Sample ID: LCS 480-513745/5
Matrix: Water
Analysis Batch: 513745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	26.3		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.4		ug/L		117	61 - 148
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.6		ug/L		90	56 - 134
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	25.9		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	25.3		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.9		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 120
2-Butanone (MEK)	125	152		ug/L		121	57 - 140
2-Hexanone	125	138		ug/L		111	65 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-513745/5

Matrix: Water

Analysis Batch: 513745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	138		ug/L		110	71 - 125
Acetone	125	142		ug/L		113	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		104	80 - 122
Bromoform	25.0	29.7		ug/L		119	61 - 132
Bromomethane	25.0	23.9		ug/L		95	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	26.3		ug/L		105	72 - 134
Chlorobenzene	25.0	26.1		ug/L		104	80 - 120
Dibromochloromethane	25.0	27.1		ug/L		109	75 - 125
Chloroethane	25.0	22.4		ug/L		90	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	74 - 124
Cyclohexane	25.0	26.5		ug/L		106	59 - 135
Dichlorodifluoromethane	25.0	18.8		ug/L		75	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	26.7		ug/L		107	77 - 120
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	56.2		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	25.7		ug/L		103	68 - 134
Methylene Chloride	25.0	25.8		ug/L		103	75 - 124
Styrene	25.0	26.0		ug/L		104	80 - 120
Tetrachloroethene	25.0	28.7		ug/L		115	74 - 122
Toluene	25.0	25.3		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	80 - 120
Trichloroethene	25.0	26.5		ug/L		106	74 - 123
Trichlorofluoromethane	25.0	28.0		ug/L		112	62 - 150
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	116		73 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: 480-165137-1 MS

Matrix: Water

Analysis Batch: 513745

Client Sample ID: MW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1	25.0	33.4	F1	ug/L		134	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	26.3		ug/L		105	76 - 120
1,1,2-Trichloroethane	ND		25.0	28.5		ug/L		114	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	35.2		ug/L		141	61 - 148

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-165137-1 MS

Matrix: Water

Analysis Batch: 513745

Client Sample ID: MW1

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Added	Result				
1,1-Dichloroethane	ND	F1	25.0	30.5	F1	ug/L		122	77 - 120
1,1-Dichloroethene	ND		25.0	30.3		ug/L		121	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	29.5		ug/L		118	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	23.7		ug/L		95	56 - 134
1,2-Dichlorobenzene	ND		25.0	30.7		ug/L		123	80 - 124
1,2-Dichloroethane	ND		25.0	29.8		ug/L		119	75 - 120
1,2-Dichloropropane	ND		25.0	29.2		ug/L		117	76 - 120
1,3-Dichlorobenzene	ND	F1	25.0	30.4	F1	ug/L		122	77 - 120
1,4-Dichlorobenzene	ND		25.0	29.5		ug/L		118	78 - 124
2-Butanone (MEK)	ND		125	150		ug/L		120	57 - 140
2-Hexanone	ND		125	141		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	144		ug/L		115	71 - 125
Acetone	ND		125	143		ug/L		114	56 - 142
Benzene	ND		25.0	30.4		ug/L		122	71 - 124
Bromodichloromethane	ND		25.0	30.1		ug/L		121	80 - 122
Bromoform	ND		25.0	29.5		ug/L		118	61 - 132
Bromomethane	ND	F2	25.0	21.3		ug/L		85	55 - 144
Carbon disulfide	ND		25.0	29.0		ug/L		116	59 - 134
Carbon tetrachloride	ND		25.0	32.6		ug/L		130	72 - 134
Chlorobenzene	ND		25.0	29.1		ug/L		116	80 - 120
Dibromochloromethane	ND		25.0	29.0		ug/L		116	75 - 125
Chloroethane	ND		25.0	23.2		ug/L		93	69 - 136
Chloroform	ND		25.0	28.8		ug/L		115	73 - 127
Chloromethane	ND		25.0	22.9		ug/L		91	68 - 124
cis-1,2-Dichloroethene	ND	F1	25.0	31.4	F1	ug/L		126	74 - 124
cis-1,3-Dichloropropene	ND		25.0	28.5		ug/L		114	74 - 124
Cyclohexane	ND		25.0	31.1		ug/L		124	59 - 135
Dichlorodifluoromethane	ND		25.0	17.5		ug/L		70	59 - 135
Ethylbenzene	ND		25.0	30.2		ug/L		121	77 - 123
1,2-Dibromoethane	ND		25.0	28.0		ug/L		112	77 - 120
Isopropylbenzene	ND		25.0	29.2		ug/L		117	77 - 122
Methyl acetate	ND		50.0	59.0		ug/L		118	74 - 133
Methyl tert-butyl ether	ND		25.0	26.2		ug/L		105	77 - 120
Methylcyclohexane	ND		25.0	30.3		ug/L		121	68 - 134
Methylene Chloride	ND		25.0	29.9		ug/L		119	75 - 124
Styrene	ND		25.0	29.1		ug/L		116	80 - 120
Tetrachloroethene	ND	F1	25.0	34.5	F1	ug/L		138	74 - 122
Toluene	ND		25.0	30.1		ug/L		120	80 - 122
trans-1,2-Dichloroethene	ND	F1	25.0	31.9	F1	ug/L		128	73 - 127
trans-1,3-Dichloropropene	ND		25.0	28.0		ug/L		112	80 - 120
Trichloroethene	ND		25.0	30.8		ug/L		123	74 - 123
Trichlorofluoromethane	ND		25.0	29.1		ug/L		117	62 - 150
Vinyl chloride	ND		25.0	23.0		ug/L		92	65 - 133

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	95		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	115		73 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-165137-1 MS
Matrix: Water
Analysis Batch: 513745

Client Sample ID: MW1
Prep Type: Total/NA

Surrogate	%Recovery	MS MS Qualifier	Limits
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-165137-1 MSD
Matrix: Water
Analysis Batch: 513745

Client Sample ID: MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
				Result	Qualifier						
1,1,1-Trichloroethane	ND	F1	25.0	29.5		ug/L		118	73 - 126	12	15
1,1,2,2-Tetrachloroethane	ND		25.0	24.2		ug/L		97	76 - 120	8	15
1,1,2-Trichloroethane	ND		25.0	28.0		ug/L		112	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	31.8		ug/L		127	61 - 148	10	20
1,1-Dichloroethane	ND	F1	25.0	28.0		ug/L		112	77 - 120	9	20
1,1-Dichloroethene	ND		25.0	27.0		ug/L		108	66 - 127	12	16
1,2,4-Trichlorobenzene	ND		25.0	25.6		ug/L		102	79 - 122	14	20
1,2-Dibromo-3-Chloropropane	ND		25.0	21.6		ug/L		86	56 - 134	9	15
1,2-Dichlorobenzene	ND		25.0	27.4		ug/L		110	80 - 124	11	20
1,2-Dichloroethane	ND		25.0	27.0		ug/L		108	75 - 120	10	20
1,2-Dichloropropane	ND		25.0	27.6		ug/L		111	76 - 120	5	20
1,3-Dichlorobenzene	ND	F1	25.0	27.7		ug/L		111	77 - 120	9	20
1,4-Dichlorobenzene	ND		25.0	27.3		ug/L		109	78 - 124	8	20
2-Butanone (MEK)	ND		125	152		ug/L		122	57 - 140	2	20
2-Hexanone	ND		125	140		ug/L		112	65 - 127	0	15
4-Methyl-2-pentanone (MIBK)	ND		125	144		ug/L		115	71 - 125	0	35
Acetone	ND		125	143		ug/L		115	56 - 142	0	15
Benzene	ND		25.0	28.2		ug/L		113	71 - 124	8	13
Bromodichloromethane	ND		25.0	28.4		ug/L		114	80 - 122	6	15
Bromoform	ND		25.0	27.5		ug/L		110	61 - 132	7	15
Bromomethane	ND	F2	25.0	24.9	F2	ug/L		100	55 - 144	16	15
Carbon disulfide	ND		25.0	26.9		ug/L		108	59 - 134	8	15
Carbon tetrachloride	ND		25.0	30.0		ug/L		120	72 - 134	8	15
Chlorobenzene	ND		25.0	28.2		ug/L		113	80 - 120	3	25
Dibromochloromethane	ND		25.0	27.9		ug/L		112	75 - 125	4	15
Chloroethane	ND		25.0	23.4		ug/L		94	69 - 136	1	15
Chloroform	ND		25.0	25.9		ug/L		104	73 - 127	11	20
Chloromethane	ND		25.0	23.6		ug/L		94	68 - 124	3	15
cis-1,2-Dichloroethene	ND	F1	25.0	27.5		ug/L		110	74 - 124	13	15
cis-1,3-Dichloropropene	ND		25.0	26.4		ug/L		106	74 - 124	8	15
Cyclohexane	ND		25.0	28.1		ug/L		112	59 - 135	10	20
Dichlorodifluoromethane	ND		25.0	18.0		ug/L		72	59 - 135	3	20
Ethylbenzene	ND		25.0	29.1		ug/L		116	77 - 123	4	15
1,2-Dibromoethane	ND		25.0	28.5		ug/L		114	77 - 120	2	15
Isopropylbenzene	ND		25.0	26.8		ug/L		107	77 - 122	9	20
Methyl acetate	ND		50.0	55.9		ug/L		112	74 - 133	5	20
Methyl tert-butyl ether	ND		25.0	23.5		ug/L		94	77 - 120	11	37
Methylcyclohexane	ND		25.0	27.0		ug/L		108	68 - 134	12	20
Methylene Chloride	ND		25.0	28.6		ug/L		114	75 - 124	4	15
Styrene	ND		25.0	27.4		ug/L		110	80 - 120	6	20
Tetrachloroethene	ND	F1	25.0	32.3	F1	ug/L		129	74 - 122	7	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-165137-1 MSD

Matrix: Water

Analysis Batch: 513745

Client Sample ID: MW1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		25.0	28.2		ug/L		113	80 - 122	6	15
trans-1,2-Dichloroethene	ND	F1	25.0	28.6		ug/L		114	73 - 127	11	20
trans-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	80 - 120	3	15
Trichloroethene	ND		25.0	28.0		ug/L		112	74 - 123	10	16
Trichlorofluoromethane	ND		25.0	28.8		ug/L		115	62 - 150	1	20
Vinyl chloride	ND		25.0	24.6		ug/L		98	65 - 133	7	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Toluene-d8 (Surr)	98		80 - 120								
1,2-Dichloroethane-d4 (Surr)	97		77 - 120								
4-Bromofluorobenzene (Surr)	116		73 - 120								
Dibromofluoromethane (Surr)	99		75 - 123								

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-513796/1-A

Matrix: Water

Analysis Batch: 514003

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 513796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		01/16/20 08:58	01/17/20 17:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/16/20 08:58	01/17/20 17:37	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 17:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/16/20 08:58	01/17/20 17:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/16/20 08:58	01/17/20 17:37	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 17:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/16/20 08:58	01/17/20 17:37	1
2-Nitroaniline	ND		10	0.42	ug/L		01/16/20 08:58	01/17/20 17:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/16/20 08:58	01/17/20 17:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 17:37	1
3-Nitroaniline	ND		10	0.48	ug/L		01/16/20 08:58	01/17/20 17:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Methylphenol	ND		10	0.36	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Nitroaniline	ND		10	0.25	ug/L		01/16/20 08:58	01/17/20 17:37	1
4-Nitrophenol	ND		10	1.5	ug/L		01/16/20 08:58	01/17/20 17:37	1
Acenaphthene	ND		5.0	0.41	ug/L		01/16/20 08:58	01/17/20 17:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/16/20 08:58	01/17/20 17:37	1
Acetophenone	ND		5.0	0.54	ug/L		01/16/20 08:58	01/17/20 17:37	1
Anthracene	ND		5.0	0.28	ug/L		01/16/20 08:58	01/17/20 17:37	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-513796/1-A
Matrix: Water
Analysis Batch: 514003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513796

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND		5.0	0.46	ug/L		01/16/20 08:58	01/17/20 17:37	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/16/20 08:58	01/17/20 17:37	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		01/16/20 08:58	01/17/20 17:37	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		01/16/20 08:58	01/17/20 17:37	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		01/16/20 08:58	01/17/20 17:37	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		01/16/20 08:58	01/17/20 17:37	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		01/16/20 08:58	01/17/20 17:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/16/20 08:58	01/17/20 17:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 17:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/16/20 08:58	01/17/20 17:37	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/16/20 08:58	01/17/20 17:37	1
Caprolactam	ND		5.0	2.2	ug/L		01/16/20 08:58	01/17/20 17:37	1
Carbazole	ND		5.0	0.30	ug/L		01/16/20 08:58	01/17/20 17:37	1
Chrysene	ND		5.0	0.33	ug/L		01/16/20 08:58	01/17/20 17:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/16/20 08:58	01/17/20 17:37	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/16/20 08:58	01/17/20 17:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/16/20 08:58	01/17/20 17:37	1
Dibenzofuran	ND		10	0.51	ug/L		01/16/20 08:58	01/17/20 17:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/16/20 08:58	01/17/20 17:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/16/20 08:58	01/17/20 17:37	1
Fluoranthene	ND		5.0	0.40	ug/L		01/16/20 08:58	01/17/20 17:37	1
Fluorene	ND		5.0	0.36	ug/L		01/16/20 08:58	01/17/20 17:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/16/20 08:58	01/17/20 17:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/16/20 08:58	01/17/20 17:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/16/20 08:58	01/17/20 17:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/16/20 08:58	01/17/20 17:37	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		01/16/20 08:58	01/17/20 17:37	1
Isophorone	ND		5.0	0.43	ug/L		01/16/20 08:58	01/17/20 17:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/16/20 08:58	01/17/20 17:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/16/20 08:58	01/17/20 17:37	1
Naphthalene	ND		5.0	0.76	ug/L		01/16/20 08:58	01/17/20 17:37	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/16/20 08:58	01/17/20 17:37	1
Pentachlorophenol	ND		10	2.2	ug/L		01/16/20 08:58	01/17/20 17:37	1
Phenanthrene	ND		5.0	0.44	ug/L		01/16/20 08:58	01/17/20 17:37	1
Phenol	ND		5.0	0.39	ug/L		01/16/20 08:58	01/17/20 17:37	1
Pyrene	ND		5.0	0.34	ug/L		01/16/20 08:58	01/17/20 17:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	79		46 - 120	01/16/20 08:58	01/17/20 17:37	1
Phenol-d5 (Surr)	47		22 - 120	01/16/20 08:58	01/17/20 17:37	1
p-Terphenyl-d14 (Surr)	96		60 - 148	01/16/20 08:58	01/17/20 17:37	1
2,4,6-Tribromophenol (Surr)	70		41 - 120	01/16/20 08:58	01/17/20 17:37	1
2-Fluorobiphenyl	83		48 - 120	01/16/20 08:58	01/17/20 17:37	1
2-Fluorophenol (Surr)	61		35 - 120	01/16/20 08:58	01/17/20 17:37	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-513796/2-A
Matrix: Water
Analysis Batch: 514003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513796
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Biphenyl	32.0	28.6		ug/L		89	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.3		ug/L		85	21 - 136
2,4,5-Trichlorophenol	32.0	30.3		ug/L		95	65 - 126
2,4,6-Trichlorophenol	32.0	32.2		ug/L		101	64 - 120
2,4-Dichlorophenol	32.0	31.7		ug/L		99	63 - 120
2,4-Dimethylphenol	32.0	31.7		ug/L		99	47 - 120
2,4-Dinitrophenol	64.0	77.2		ug/L		121	31 - 137
2,4-Dinitrotoluene	32.0	33.0		ug/L		103	69 - 120
2,6-Dinitrotoluene	32.0	32.2		ug/L		101	68 - 120
2-Chloronaphthalene	32.0	28.7		ug/L		90	58 - 120
2-Chlorophenol	32.0	29.3		ug/L		91	48 - 120
2-Methylphenol	32.0	28.4		ug/L		89	39 - 120
2-Methylnaphthalene	32.0	28.5		ug/L		89	59 - 120
2-Nitroaniline	32.0	32.2		ug/L		101	54 - 127
2-Nitrophenol	32.0	29.9		ug/L		93	52 - 125
3,3'-Dichlorobenzidine	64.0	57.1		ug/L		89	49 - 135
3-Nitroaniline	32.0	27.0		ug/L		84	51 - 120
4,6-Dinitro-2-methylphenol	64.0	75.0		ug/L		117	46 - 136
4-Bromophenyl phenyl ether	32.0	31.1		ug/L		97	65 - 120
4-Chloro-3-methylphenol	32.0	31.6		ug/L		99	61 - 123
4-Chloroaniline	32.0	24.8		ug/L		77	30 - 120
4-Chlorophenyl phenyl ether	32.0	30.8		ug/L		96	62 - 120
4-Methylphenol	32.0	27.8		ug/L		87	29 - 131
4-Nitroaniline	32.0	32.1		ug/L		100	65 - 120
4-Nitrophenol	64.0	60.0		ug/L		94	45 - 120
Acenaphthene	32.0	29.5		ug/L		92	60 - 120
Acenaphthylene	32.0	31.0		ug/L		97	63 - 120
Acetophenone	32.0	30.1		ug/L		94	45 - 120
Anthracene	32.0	31.2		ug/L		97	67 - 120
Atrazine	64.0	74.8		ug/L		117	71 - 130
Benzaldehyde	64.0	54.1		ug/L		84	10 - 140
Benzo[a]anthracene	32.0	31.3		ug/L		98	70 - 121
Benzo[a]pyrene	32.0	31.9		ug/L		100	60 - 123
Benzo[b]fluoranthene	32.0	33.5		ug/L		105	66 - 126
Benzo[g,h,i]perylene	32.0	33.5		ug/L		105	66 - 150
Benzo[k]fluoranthene	32.0	33.5		ug/L		105	65 - 124
Bis(2-chloroethoxy)methane	32.0	30.4		ug/L		95	50 - 128
Bis(2-chloroethyl)ether	32.0	28.9		ug/L		90	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.6		ug/L		99	63 - 139
Butyl benzyl phthalate	32.0	31.3		ug/L		98	70 - 129
Caprolactam	64.0	25.4		ug/L		40	22 - 120
Carbazole	32.0	32.9		ug/L		103	66 - 123
Chrysene	32.0	31.6		ug/L		99	69 - 120
Dibenz(a,h)anthracene	32.0	33.3		ug/L		104	65 - 135
Di-n-butyl phthalate	32.0	32.7		ug/L		102	69 - 131
Di-n-octyl phthalate	32.0	31.3		ug/L		98	63 - 140
Dibenzofuran	32.0	30.2		ug/L		94	66 - 120
Diethyl phthalate	32.0	32.8		ug/L		102	59 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-513796/2-A
Matrix: Water
Analysis Batch: 514003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513796

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	32.0	32.2		ug/L		101	68 - 120
Fluoranthene	32.0	32.4		ug/L		101	69 - 126
Fluorene	32.0	31.5		ug/L		98	66 - 120
Hexachlorobenzene	32.0	31.2		ug/L		98	61 - 120
Hexachlorobutadiene	32.0	24.1		ug/L		75	35 - 120
Hexachlorocyclopentadiene	32.0	24.5		ug/L		77	31 - 120
Hexachloroethane	32.0	23.9		ug/L		75	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	33.2		ug/L		104	69 - 146
Isophorone	32.0	31.8		ug/L		99	55 - 120
N-Nitrosodi-n-propylamine	32.0	31.0		ug/L		97	32 - 140
N-Nitrosodiphenylamine	32.0	30.7		ug/L		96	61 - 120
Naphthalene	32.0	27.7		ug/L		87	57 - 120
Nitrobenzene	32.0	30.6		ug/L		96	53 - 123
Pentachlorophenol	64.0	60.4		ug/L		94	29 - 136
Phenanthrene	32.0	31.0		ug/L		97	68 - 120
Phenol	32.0	19.2		ug/L		60	17 - 120
Pyrene	32.0	31.0		ug/L		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	94		46 - 120
Phenol-d5 (Surr)	61		22 - 120
p-Terphenyl-d14 (Surr)	100		60 - 148
2,4,6-Tribromophenol (Surr)	101		41 - 120
2-Fluorobiphenyl	93		48 - 120
2-Fluorophenol (Surr)	73		35 - 120

Lab Sample ID: LCSD 480-513796/3-A
Matrix: Water
Analysis Batch: 514003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl	32.0	31.0		ug/L		97	59 - 120	8	20
bis (2-chloroisopropyl) ether	32.0	28.6		ug/L		89	21 - 136	5	24
2,4,5-Trichlorophenol	32.0	33.1		ug/L		104	65 - 126	9	18
2,4,6-Trichlorophenol	32.0	34.8		ug/L		109	64 - 120	8	19
2,4-Dichlorophenol	32.0	33.9		ug/L		106	63 - 120	6	19
2,4-Dimethylphenol	32.0	32.6		ug/L		102	47 - 120	3	42
2,4-Dinitrophenol	64.0	84.0		ug/L		131	31 - 137	8	22
2,4-Dinitrotoluene	32.0	36.1		ug/L		113	69 - 120	9	20
2,6-Dinitrotoluene	32.0	35.0		ug/L		109	68 - 120	8	15
2-Chloronaphthalene	32.0	30.5		ug/L		95	58 - 120	6	21
2-Chlorophenol	32.0	30.0		ug/L		94	48 - 120	2	25
2-Methylphenol	32.0	28.6		ug/L		89	39 - 120	1	27
2-Methylnaphthalene	32.0	30.2		ug/L		94	59 - 120	6	21
2-Nitroaniline	32.0	34.6		ug/L		108	54 - 127	7	15
2-Nitrophenol	32.0	32.6		ug/L		102	52 - 125	9	18
3,3'-Dichlorobenzidine	64.0	56.2		ug/L		88	49 - 135	2	25
3-Nitroaniline	32.0	27.8		ug/L		87	51 - 120	3	19

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-513796/3-A

Matrix: Water

Analysis Batch: 514003

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 513796

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD
									Limit
4,6-Dinitro-2-methylphenol	64.0	81.8		ug/L		128	46 - 136	9	15
4-Bromophenyl phenyl ether	32.0	33.9		ug/L		106	65 - 120	9	15
4-Chloro-3-methylphenol	32.0	32.8		ug/L		103	61 - 123	4	27
4-Chloroaniline	32.0	24.8		ug/L		78	30 - 120	0	22
4-Chlorophenyl phenyl ether	32.0	32.8		ug/L		103	62 - 120	6	16
4-Methylphenol	32.0	29.4		ug/L		92	29 - 131	6	24
4-Nitroaniline	32.0	32.8		ug/L		102	65 - 120	2	24
4-Nitrophenol	64.0	62.8		ug/L		98	45 - 120	5	48
Acenaphthene	32.0	31.9		ug/L		100	60 - 120	8	24
Acenaphthylene	32.0	33.3		ug/L		104	63 - 120	7	18
Acetophenone	32.0	31.8		ug/L		99	45 - 120	6	20
Anthracene	32.0	33.3		ug/L		104	67 - 120	7	15
Atrazine	64.0	81.3		ug/L		127	71 - 130	8	20
Benzaldehyde	64.0	56.8		ug/L		89	10 - 140	5	20
Benzo[a]anthracene	32.0	33.9		ug/L		106	70 - 121	8	15
Benzo[a]pyrene	32.0	34.2		ug/L		107	60 - 123	7	15
Benzo[b]fluoranthene	32.0	36.5		ug/L		114	66 - 126	9	15
Benzo[g,h,i]perylene	32.0	35.8		ug/L		112	66 - 150	6	15
Benzo[k]fluoranthene	32.0	34.3		ug/L		107	65 - 124	2	22
Bis(2-chloroethoxy)methane	32.0	31.7		ug/L		99	50 - 128	4	17
Bis(2-chloroethyl)ether	32.0	28.8		ug/L		90	44 - 120	0	21
Bis(2-ethylhexyl) phthalate	32.0	34.4		ug/L		107	63 - 139	8	15
Butyl benzyl phthalate	32.0	34.4		ug/L		107	70 - 129	9	16
Caprolactam	64.0	25.7		ug/L		40	22 - 120	1	20
Carbazole	32.0	35.2		ug/L		110	66 - 123	7	20
Chrysene	32.0	33.1		ug/L		104	69 - 120	5	15
Dibenz(a,h)anthracene	32.0	35.0		ug/L		109	65 - 135	5	15
Di-n-butyl phthalate	32.0	35.4		ug/L		111	69 - 131	8	15
Di-n-octyl phthalate	32.0	34.1		ug/L		107	63 - 140	9	16
Dibenzofuran	32.0	32.5		ug/L		102	66 - 120	7	15
Diethyl phthalate	32.0	34.9		ug/L		109	59 - 127	6	15
Dimethyl phthalate	32.0	34.6		ug/L		108	68 - 120	7	15
Fluoranthene	32.0	34.2		ug/L		107	69 - 126	5	15
Fluorene	32.0	33.7		ug/L		105	66 - 120	7	15
Hexachlorobenzene	32.0	33.3		ug/L		104	61 - 120	6	15
Hexachlorobutadiene	32.0	26.1		ug/L		82	35 - 120	8	44
Hexachlorocyclopentadiene	32.0	26.8		ug/L		84	31 - 120	9	49
Hexachloroethane	32.0	25.8		ug/L		81	43 - 120	8	46
Indeno[1,2,3-cd]pyrene	32.0	35.3		ug/L		110	69 - 146	6	15
Isophorone	32.0	33.2		ug/L		104	55 - 120	4	17
N-Nitrosodi-n-propylamine	32.0	32.1		ug/L		100	32 - 140	4	31
N-Nitrosodiphenylamine	32.0	32.5		ug/L		102	61 - 120	6	15
Naphthalene	32.0	29.5		ug/L		92	57 - 120	6	29
Nitrobenzene	32.0	32.0		ug/L		100	53 - 123	4	24
Pentachlorophenol	64.0	66.1		ug/L		103	29 - 136	9	37
Phenanthrene	32.0	33.0		ug/L		103	68 - 120	6	15
Phenol	32.0	19.5		ug/L		61	17 - 120	2	34
Pyrene	32.0	33.4		ug/L		104	70 - 125	8	19

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-513796/3-A
Matrix: Water
Analysis Batch: 514003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513796

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	101		46 - 120
Phenol-d5 (Surr)	62		22 - 120
p-Terphenyl-d14 (Surr)	107		60 - 148
2,4,6-Tribromophenol (Surr)	111		41 - 120
2-Fluorobiphenyl	100		48 - 120
2-Fluorophenol (Surr)	77		35 - 120

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-513696/1-A
Matrix: Water
Analysis Batch: 513844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513696

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:02	1
PCB-1221	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:02	1
PCB-1232	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:02	1
PCB-1242	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:02	1
PCB-1248	ND		0.50	0.18	ug/L		01/15/20 15:18	01/16/20 15:02	1
PCB-1254	ND		0.50	0.25	ug/L		01/15/20 15:18	01/16/20 15:02	1
PCB-1260	ND		0.50	0.25	ug/L		01/15/20 15:18	01/16/20 15:02	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	55		39 - 121	01/15/20 15:18	01/16/20 15:02	1
DCB Decachlorobiphenyl	44		19 - 120	01/15/20 15:18	01/16/20 15:02	1

Lab Sample ID: LCS 480-513696/2-A
Matrix: Water
Analysis Batch: 513844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513696

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	4.00	3.08		ug/L		77	62 - 130
PCB-1260	4.00	2.83		ug/L		71	56 - 123

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	70		39 - 121
DCB Decachlorobiphenyl	36		19 - 120

Lab Sample ID: 480-165137-1 MS
Matrix: Water
Analysis Batch: 513844

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513696

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
PCB-1016	ND		4.00	3.02		ug/L		75	28 - 150
PCB-1260	ND		4.00	1.91		ug/L		48	25 - 131

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	66		39 - 121

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-165137-1 MS
Matrix: Water
Analysis Batch: 513844

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513696

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	38		19 - 120

Lab Sample ID: 480-165137-1 MSD
Matrix: Water
Analysis Batch: 513844

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513696

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		4.00	3.29		ug/L		82	28 - 150	9	50
PCB-1260	ND		4.00	2.26		ug/L		57	25 - 131	17	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	76		39 - 121
DCB Decachlorobiphenyl	42		19 - 120

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-513586/1-A
Matrix: Water
Analysis Batch: 513788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/15/20 07:34	01/15/20 17:22	1
Barium	ND		0.0020	0.00070	mg/L		01/15/20 07:34	01/15/20 17:22	1
Cadmium	ND		0.0020	0.00050	mg/L		01/15/20 07:34	01/15/20 17:22	1
Chromium	ND		0.0040	0.0010	mg/L		01/15/20 07:34	01/15/20 17:22	1
Lead	ND		0.010	0.0030	mg/L		01/15/20 07:34	01/15/20 17:22	1
Selenium	ND		0.025	0.0087	mg/L		01/15/20 07:34	01/15/20 17:22	1
Silver	ND		0.0060	0.0017	mg/L		01/15/20 07:34	01/15/20 17:22	1

Lab Sample ID: LCS 480-513586/2-A
Matrix: Water
Analysis Batch: 513788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.186		mg/L		93	80 - 120
Barium	0.200	0.201		mg/L		100	80 - 120
Cadmium	0.200	0.189		mg/L		94	80 - 120
Chromium	0.200	0.189		mg/L		94	80 - 120
Lead	0.200	0.182		mg/L		91	80 - 120
Selenium	0.200	0.181		mg/L		91	80 - 120
Silver	0.0500	0.0484		mg/L		97	80 - 120

Lab Sample ID: 480-165137-1 MS
Matrix: Water
Analysis Batch: 513788

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.035		0.200	0.187		mg/L		76	75 - 125
Barium	2.3		0.200	1.13	4	mg/L		-594	75 - 125

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-165137-1 MS
Matrix: Water
Analysis Batch: 513788

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0035	F1	0.200	0.152	F1	mg/L		74	75 - 125
Chromium	0.049		0.200	0.210		mg/L		80	75 - 125
Lead	0.11		0.200	0.288		mg/L		87	75 - 125
Selenium	ND	F1	0.200	0.144	F1	mg/L		72	75 - 125
Silver	ND		0.0500	0.0381		mg/L		76	75 - 125

Lab Sample ID: 480-165137-1 MSD
Matrix: Water
Analysis Batch: 513788

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	0.035		0.200	0.214		mg/L		90	75 - 125	14	20
Barium	2.3		0.200	1.26	4	mg/L		-529	75 - 125	11	20
Cadmium	0.0035	F1	0.200	0.172		mg/L		84	75 - 125	13	20
Chromium	0.049		0.200	0.237		mg/L		94	75 - 125	12	20
Lead	0.11		0.200	0.330		mg/L		108	75 - 125	13	20
Selenium	ND	F1	0.200	0.166		mg/L		83	75 - 125	14	20
Silver	ND		0.0500	0.0440		mg/L		88	75 - 125	14	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-513718/1-A
Matrix: Water
Analysis Batch: 513881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513718

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/16/20 11:44	01/16/20 14:56	1

Lab Sample ID: LCS 480-513718/2-A
Matrix: Water
Analysis Batch: 513881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513718

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00723		mg/L		108	80 - 120

Lab Sample ID: 480-165137-1 MS
Matrix: Water
Analysis Batch: 513881

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513718

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0014		0.00667	0.00767		mg/L		94	80 - 120

Lab Sample ID: 480-165137-1 MSD
Matrix: Water
Analysis Batch: 513881

Client Sample ID: MW1
Prep Type: Total/NA
Prep Batch: 513718

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.0014		0.00667	0.00768		mg/L		94	80 - 120	0	20

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

GC/MS VOA

Analysis Batch: 513595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-513595/7	Method Blank	Total/NA	Water	8260C	
LCS 480-513595/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 513745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	8260C	
480-165137-2	MW2	Total/NA	Water	8260C	
480-165137-3	MW3	Total/NA	Water	8260C	
MB 480-513745/7	Method Blank	Total/NA	Water	8260C	
LCS 480-513745/5	Lab Control Sample	Total/NA	Water	8260C	
480-165137-1 MS	MW1	Total/NA	Water	8260C	
480-165137-1 MSD	MW1	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 513796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	3510C	
480-165137-2	MW2	Total/NA	Water	3510C	
480-165137-3	MW3	Total/NA	Water	3510C	
MB 480-513796/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-513796/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-513796/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 514003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	8270D	513796
480-165137-2	MW2	Total/NA	Water	8270D	513796
480-165137-3	MW3	Total/NA	Water	8270D	513796
MB 480-513796/1-A	Method Blank	Total/NA	Water	8270D	513796
LCS 480-513796/2-A	Lab Control Sample	Total/NA	Water	8270D	513796
LCSD 480-513796/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	513796

GC Semi VOA

Prep Batch: 513696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	3510C	
480-165137-2	MW2	Total/NA	Water	3510C	
480-165137-3	MW3	Total/NA	Water	3510C	
MB 480-513696/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-513696/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-165137-1 MS	MW1	Total/NA	Water	3510C	
480-165137-1 MSD	MW1	Total/NA	Water	3510C	

Analysis Batch: 513844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	8082A	513696
480-165137-2	MW2	Total/NA	Water	8082A	513696
480-165137-3	MW3	Total/NA	Water	8082A	513696
MB 480-513696/1-A	Method Blank	Total/NA	Water	8082A	513696

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

GC Semi VOA (Continued)

Analysis Batch: 513844 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-513696/2-A	Lab Control Sample	Total/NA	Water	8082A	513696
480-165137-1 MS	MW1	Total/NA	Water	8082A	513696
480-165137-1 MSD	MW1	Total/NA	Water	8082A	513696

Metals

Prep Batch: 513586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	3005A	
480-165137-2	MW2	Total/NA	Water	3005A	
480-165137-3	MW3	Total/NA	Water	3005A	
MB 480-513586/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-513586/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-165137-1 MS	MW1	Total/NA	Water	3005A	
480-165137-1 MSD	MW1	Total/NA	Water	3005A	

Prep Batch: 513718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	7470A	
480-165137-2	MW2	Total/NA	Water	7470A	
480-165137-3	MW3	Total/NA	Water	7470A	
MB 480-513718/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-513718/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-165137-1 MS	MW1	Total/NA	Water	7470A	
480-165137-1 MSD	MW1	Total/NA	Water	7470A	

Analysis Batch: 513788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	6010C	513586
480-165137-2	MW2	Total/NA	Water	6010C	513586
480-165137-3	MW3	Total/NA	Water	6010C	513586
MB 480-513586/1-A	Method Blank	Total/NA	Water	6010C	513586
LCS 480-513586/2-A	Lab Control Sample	Total/NA	Water	6010C	513586
480-165137-1 MS	MW1	Total/NA	Water	6010C	513586
480-165137-1 MSD	MW1	Total/NA	Water	6010C	513586

Analysis Batch: 513881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-165137-1	MW1	Total/NA	Water	7470A	513718
480-165137-2	MW2	Total/NA	Water	7470A	513718
480-165137-3	MW3	Total/NA	Water	7470A	513718
MB 480-513718/1-A	Method Blank	Total/NA	Water	7470A	513718
LCS 480-513718/2-A	Lab Control Sample	Total/NA	Water	7470A	513718
480-165137-1 MS	MW1	Total/NA	Water	7470A	513718
480-165137-1 MSD	MW1	Total/NA	Water	7470A	513718

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: MW1

Date Collected: 01/13/20 09:50

Date Received: 01/14/20 11:55

Lab Sample ID: 480-165137-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513745	01/16/20 14:00	CRL	TAL BUF
Total/NA	Prep	3510C			513796	01/16/20 08:58	JMP	TAL BUF
Total/NA	Analysis	8270D		1	514003	01/17/20 21:51	PJQ	TAL BUF
Total/NA	Prep	3510C			513696	01/15/20 15:18	ATG	TAL BUF
Total/NA	Analysis	8082A		1	513844	01/16/20 15:51	W1T	TAL BUF
Total/NA	Prep	3005A			513586	01/15/20 07:34	EMB	TAL BUF
Total/NA	Analysis	6010C		1	513788	01/15/20 17:59	AMH	TAL BUF
Total/NA	Prep	7470A			513718	01/16/20 11:44	BMB	TAL BUF
Total/NA	Analysis	7470A		1	513881	01/16/20 15:05	BMB	TAL BUF

Client Sample ID: MW2

Date Collected: 01/13/20 12:56

Date Received: 01/14/20 11:55

Lab Sample ID: 480-165137-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	513745	01/16/20 14:23	CRL	TAL BUF
Total/NA	Prep	3510C			513796	01/16/20 08:58	JMP	TAL BUF
Total/NA	Analysis	8270D		1	514003	01/17/20 22:19	PJQ	TAL BUF
Total/NA	Prep	3510C			513696	01/15/20 15:18	ATG	TAL BUF
Total/NA	Analysis	8082A		1	513844	01/16/20 16:04	W1T	TAL BUF
Total/NA	Prep	3005A			513586	01/15/20 07:34	EMB	TAL BUF
Total/NA	Analysis	6010C		1	513788	01/15/20 18:28	AMH	TAL BUF
Total/NA	Prep	7470A			513718	01/16/20 11:44	BMB	TAL BUF
Total/NA	Analysis	7470A		1	513881	01/16/20 15:10	BMB	TAL BUF

Client Sample ID: MW3

Date Collected: 01/13/20 12:30

Date Received: 01/14/20 11:55

Lab Sample ID: 480-165137-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	513745	01/16/20 14:46	CRL	TAL BUF
Total/NA	Prep	3510C			513796	01/16/20 08:58	JMP	TAL BUF
Total/NA	Analysis	8270D		5	514003	01/17/20 22:46	PJQ	TAL BUF
Total/NA	Prep	3510C			513696	01/15/20 15:18	ATG	TAL BUF
Total/NA	Analysis	8082A		10	513844	01/16/20 18:59	W1T	TAL BUF
Total/NA	Prep	3005A			513586	01/15/20 07:34	EMB	TAL BUF
Total/NA	Analysis	6010C		1	513788	01/15/20 18:32	AMH	TAL BUF
Total/NA	Prep	7470A			513718	01/16/20 11:44	BMB	TAL BUF
Total/NA	Analysis	7470A		1	513881	01/16/20 15:12	BMB	TAL BUF

Lab Chronicle

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-165137-4

Date Collected: 01/13/20 09:50

Matrix: Water

Date Received: 01/14/20 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	513595	01/15/20 14:45	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

Client: LaBella Associates DPC
 Project/Site: Church Street Project

Job ID: 480-165137-1

Laboratory: Eurofins TestAmerica, Buffalo

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-0686	07-06-20
California	State	2931	04-01-20 *
Connecticut	State	PH-0568	09-30-20
Florida	NELAP	E87672	06-30-20
Georgia	State	10026 (NY)	03-31-20 *
Georgia (DW)	State	956	03-31-20 *
Illinois	NELAP	200003	09-30-19 *
Iowa	State	374	02-28-21
Kansas	NELAP	E-10187	01-31-20
Kentucky (DW)	State	90029	12-31-20 *
Kentucky (UST)	State	30	03-31-20 *
Kentucky (WW)	State	KY90029	12-31-20
Louisiana	NELAP	02031	06-30-20
Maine	State	NY00044	12-04-20
Maryland	State	294	03-31-20 *
Massachusetts	State	M-NY044	06-30-20
Michigan	State	9937	03-31-20 *
Minnesota	NELAP	1524384	12-31-20
New Hampshire	NELAP	2337	11-17-19 *
New Jersey	NELAP	NY455	06-30-20
New York	NELAP	10026	04-01-20 *
North Dakota	State	R-176	03-31-20 *
Oklahoma	State	9421	09-01-20
Oregon	NELAP	NY200003	06-10-20
Pennsylvania	NELAP	68-00281	07-31-20
Rhode Island	State	LAO00328	12-30-20 *
Tennessee	State	02970	03-31-20 *
Texas	NELAP	T104704412-18-10	08-01-20
USDA	US Federal Programs	P330-18-00039	02-06-21
Virginia	NELAP	460185	09-14-20
Washington	State	C784	02-10-20 *
Wisconsin	State	998310390	08-31-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: LaBella Associates DPC
Project/Site: Church Street Project

Job ID: 480-165137-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-165137-1	MW1	Water	01/13/20 09:50	01/14/20 11:55	
480-165137-2	MW2	Water	01/13/20 12:56	01/14/20 11:55	
480-165137-3	MW3	Water	01/13/20 12:30	01/14/20 11:55	
480-165137-4	TRIP BLANK	Water	01/13/20 09:50	01/14/20 11:55	

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

Client Information		Lab PM: Fischer, Brian J		Carrier Tracking No(s):		COC No: 480-138611-31178.2	
Client Contact: Mr. Robert Napieralski		E-Mail: brian.fischer@testamericainc.com		Page: 2 of 2		Page: 1 of 1	
Company: LaBella Associates DPC		Phone: (585) 409-1468		Job #: 219271		Barcode: 	
Address: 300 Pearl Street Suite 130		City: Buffalo		State: NY		Zip: 14202	
Phone: 716-551-6283 (Tel)		Email: rnapieralski@labellapc.com		Project #: 48021314		SSOW#:	
Site: <i>Em Key Trading, LLC North Trading.</i>		Due Date Requested:		TAT Requested (days): STANDARD		Purchase Order not required	
PO #:		WO #:		Analysis Requested		Total Number of Containers	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		8260C - TCL list OLM04.2		8260C - TCL list OLM04.2	
6010C, 7471B, Moisture		8082A, 8270D		8260C - TCL list OLM04.2		8260C - CP-51 (STARS) List	
6010C, 8270D, Moisture		USEPA TCL		8270D - TCL SVCA - OLM04.2		6010C, 7470A	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
6010C, 7470A		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
6010C, 7470A		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
6010C, 7470A		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 7471B, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8270D - TCL SVCA - OLM04.2		USEPA TCL		X		X	
8260C - TCL list OLM04.2		USEPA TCL		X		X	
8260C - CP-51 (STARS) List		USEPA TCL		X		X	
6010C, 8270D, Moisture		USEPA TCL		X		X	
8082A, 8270D		USEPA TCL		X			

Login Sample Receipt Checklist

Client: LaBella Associates DPC

Job Number: 480-165137-1

Login Number: 165137

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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	
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	





APPENDIX 3

Data Usability Summary Report

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Church St.
Eurofins SDG#480-163813-1
March 10, 2020
Sampling date: 12/4, 5/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Church St.
SDG# 480-163813-1

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LaBella Associates DPC, project located at Church St., Eurofins #480-163813-1 submitted to Vali-Data of WNY, LLC on March 7, 2020. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines (NFG) and NYSDEC Analytical Services Protocols (ASP). The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (6010C) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD.

Samples: SAMPLE 1UST, SAMPLE 3UST, SAMPLE 4UST were diluted due to sample matrix.

Sample: SAMPLE 2UST was diluted due to high target analyte concentration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the %Rec of all of the target analytes except 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone, 4-Methyl-2-pentanone, Acetone, Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane, Methyl acetate, Methyl tert butyl ether, Vinyl chloride, 1,1-Dichloroethene, 1,1-Dichloroethane, 2-Hexanone, Methylene Chloride and Trichlorofluoromethane was outside QC limits, low in TP #5, 1-2MS/MSD and should be qualified as estimated. The noncompliant target analyte should be qualified as estimated in TP #5, 1-2.

Several target analytes were outside QC limits in TP #5, 1-2MSD but within limits in TP #5, 1-2MS, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, MS/MSD and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times for the sample were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except The %Rec of 2-Fluorophenol was outside QC limits, low in TP #5, 1-2MSD. Associated target analytes in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the %Rec of Fluoranthene was outside QC limits, high in TP #5, 1-2MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in TP #5, 1-2, if detected.

The %Rec of 2,4-Dinitrophenol was 0% in TP #5, 1-2MS/MSD and should be qualified as unusable. This target analyte should be qualified as estimated in TP #5, 1-2, if detected or unusable, if not detected.

The RPD of Bis(2-chloroisopropyl)ether, 2-Nitrophenol, Acetophenone, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene, Bis(2-chloroethoxy)methane, Bis(2-Chloroethyl)ether, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene and Pyrene was outside QC limits between TP #5, 1-2MS and TP #5, 1-2MSD and should be qualified as estimated. These target analytes should be qualified as estimated in TP #5, 1-2.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on several target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Hexachlorobutadiene and Bis(2-ethyl hexyl)phthalate was outside QC limits in CCVIS 480-509077/3. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

Church St.

SDG# 480-163813-1

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met except the %Rec of Aroclor 1016 was outside NFG QC limits, high in LCS 480-508728/2-A. This target analyte should be qualified as estimated high in the associated samples in which it was detected.

MS/MSD

All the criteria were met.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on many target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Aroclor 1260 peak 1 was outside QC limits off column ZB-5 in CCV 480-508966/5. The %D of Aroclor 1260 peak 2 was outside QC limits off column ZB-35 in CCV 480-508966/5. The %D of Aroclor 1232 peaks 1, 2 was outside QC limits off column ZB-35 in CCV 480-508966/7. The %D of Aroclor 1242 peaks 1, 2, 4 and Aroclor 1268 peak 3 was outside QC limits off column ZB-35 in CCV 480-508966/8. The %D of Aroclor 1248 peaks 2, 3 was outside QC limits off column ZB-35 in CCV 480-508966/9. These target analytes should be qualified as estimated in the associated sample, blank and spikes off the associated columns.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD
- Field Duplicate

- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in MS/MSD and Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD

All criteria were met except the %Rec of Ba was outside QC limits in TP #5, 1-2MS but within limits in TP #5, 1-2MSD, so no further action is required.

The %Rec of Hg was outside QC limits, low in TP #5, 1-2MS/MSD and should be qualified as estimated in TP #5, 1-2 and TP #5, 1-2MS/MSD.

The RPD of Ba was outside QC limits between TP #5, 1-2MS and TP #5, 1-2MSD and should be qualified as estimated in TP #5, 1-2 and TP #5, 1-2MS/MSD.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met except the %Rec of Ba and Ag was outside QC limits, high in ICVL 480-509518/7. The %Rec of Ba was outside QC limits, high in CCVL 480-509518/19, 40. The %Rec of Pb was outside QC limits, high in CCVL 480-509518/28. The %Rec of Ba, Cd and Pb was outside QC limits, high in CCVL 480-509518/52. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples in which they were detected.

The %Rec Se was outside QC limits, low in CCVL 480-509518/19, 52. The %Rec of Cr and Se was outside QC limits, low in CCVL 480-509518/28. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Church St.
Eurofins SDG#480-165137-1
March 12, 2020
Reissued; March 25, 2020
Sampling date: 1/13/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Church St.
SDG# 480-165137-1

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; March 25, 2020) for LaBella Associates DPC, project located at Church St., Eurofins #480-165137-1 submitted to Vali-Data of WNY, LLC on March 9, 2020. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines (NFG) and NYSDEC Analytical Services Protocols (ASP). The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), PCB (8082A), Inorganics (6010C) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the %Rec of Tetrachloroethene was outside QC limits, high in MW1MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in MW1, if detected.

The RPD of Bromomethane was outside QC limits between MW1MS and MW1MSD and should be qualified as estimated. This target analyte should be qualified as estimated in MW1.

Several target analytes were outside QC limits in MW1MS but within limits in MW1MSD, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of 1,1,2-Trichloro-1,2,2-Trifluoroethane, Tetrachloroethene, Dibromochloromethane and Bromoform were outside QC limits in CCVIS 480-513595/3. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Several target analytes were outside laboratory QC limits but within NFG limit, so no further action is required.

Church St.

SDG# 480-165137-1

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times for the sample were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except The %Rec of p-Terphenyl-d₁₄ was outside QC limits, low in MW2. Associated target analytes in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was performed.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on several target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES

All criteria were met except the %Rec of DCBP off both columns and TCMX off column ZB-5 in MW3 were outside QC limits, low due to dilution. Target analytes in this sample should be qualified as estimated.

The %Rec of DCBP off both columns was outside NFG QC limits, low in MW2. Target analytes detected in this sample should be qualified as estimated low. Target analytes not detected in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was performed.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were performed on many target analytes, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Aroclor 1232 peak 3 and Aroclor 1262 peaks 3, 5 was outside QC limits off column ZB-5 in CCV 480-513844/7. The %D of Aroclor 1232 peaks 2,4 and Aroclor 1262 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-513844/7. The %D of Aroclor 1016 peak 4 was outside QC limits off column ZB-5 in CCV 480-513844/31. These target analytes should be qualified as estimated in the associated sample, blank and spikes off the associated columns.

METALS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Serial Dilution and Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS

All criteria were met.

LABORATORY CONTROL SAMPLE

All criteria were met.

MS/MSD

All criteria were met except the %Rec of Cd and Se was outside QC limits in MW1MS but within limits in MW1MSD, so no further action is required.

FIELD DUPLICATE

No field duplicate was acquired.

SERIAL DILUTION

All criteria were met except the %D of Ba and Cr was outside QC limits in MW1SD. These target analytes should be qualified as estimated in MW1.

COMPOUND QUANTITATION

All criteria were met.

CALIBRATION

All criteria were met except the %Rec of Ba and Ag was outside QC limits, high in ICVL 480-513788/7 and CCVL 480-513788/24, 36. The %Rec of Ba was outside QC limits, high in CCVL 480-513788/19. The %Rec of Ag was outside QC limits, high in CCVL 480-513788/48. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples in which they were detected.

The %Rec As and Se was outside QC limits, low in ICVL 480-513788/7. The %Rec of Se was outside QC limits, low in CCVL 480-513788/19. The %Rec of Pb was outside QC limits, low in CCVL 480-513788/48. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.



APPENDIX 4

Rough Order of Magnitude Cost Estimate

ROUGH ORDER OF MAGNITUDE REMEDIAL COST ESTIMATE

Former Emkay Trading Site 58 Church Street, Arcade, New York

Item	Estimated Quantity	Unit Cost	Estimated Total
UST Removals			
Vac Truck & Operator	16 hrs	\$140 /hr	\$2,240
Fluid disposal	6,500 Gallons	\$0.75 /Gallon	\$4,875
Tank Removal	1 LS	\$8,000 /LS	\$8,000
		<i>UST Removal:</i>	\$15,115
Removal of Petroleum Impacted Soil (Filling Station Area)			
Soil Excavation/Loading	2,500 tons	\$7 /ton	\$17,500
Soil Transport and Disposal	2,500 tons	\$40 /ton	\$100,000
Provide and Place Backfill	2,500 tons	\$19 /ton	\$47,500
		<i>Removal of Petroleum Impacted Soil:</i>	\$165,000
In-Situ Groundwater Remediation (Filling Station Area)			
In-Situ Reagent	20,000 SF	\$2.50 /SF	\$50,000
Geoprobe & Operator	10 days	\$1,800 /day	\$18,000
Pre and Post Groundwater Sampling	1 LS	\$7,000 /LS	\$7,000
		<i>Limited Soil/Fill Removal/Disposal:</i>	\$75,000
Limited Soil/Fill Removal/Disposal (Hot Spot Removal)			
Soil Excavation/Loading	500 tons	\$7 /ton	\$3,500
Soil Transport and Disposal	500 tons	\$40 /ton	\$20,000
Provide and Place Backfill	500 tons	\$19 /ton	\$9,500
		<i>Limited Soil/Fill Removal/Disposal:</i>	\$33,000
Vegetated Soil Cover System			
Place and Compact Clean Backfill and Topsoil	1 LS	\$50,000 /LS	\$50,000
Purchase/Deliver 1.5' of Backfill	8,400 CY	\$35 /CY	\$294,000
Purchase/Deliver 6" of Topsoil	2,800 CY	\$37 /CY	\$103,600
Imported Soil/Fill Testing and Approval	1 LS	\$10,000 /LS	\$10,000
Demarkation Layer	30 each	\$500 /roll	\$15,000
Erosion Control Measures	1 LS	\$10,000 /LS	\$10,000
Pre and Post Topographic Survey	1 LS	\$15,000 /LS	\$15,000
Hydroseed	4.5 Acres	\$2,000 /Acres	\$9,000
		<i>Vegetated Soil Cover System:</i>	\$506,600
Demolition of Building Complex			
Controlled Demolition & Disposal of Existing Bldg. Complex & Debris	1 SF	\$750,000 /LS	\$750,000
		<i>Building Demolition:</i>	\$750,000
Engineering, Monitoring & Oversight			
Engineering, Monitoring & Oversight per BCP Process (25%)			\$386,179
		<i>Engineering and Oversight:</i>	\$386,179

Estimated Total \$1,930,894

Notes/Assumptions:

1. All contaminated soil/fill to be removed from the site for off-site disposal is assumed to be classified as non-hazardous waste for disposal purposes.
2. Assumes only the eastern 8.5 acres of the Site will be redeveloped under the BCP, and that the western portion will remain undeveloped and not require remediation.
3. Assumes redevelopment of the Site will involve the construction of impervious cover (i.e., asphalt parking areas, concrete building slabs, etc.) on 60% of the 8.5 acres, and that these cover materials will satisfy the BCP requirements for engineering controls.
4. Assumes the remaining 40% of the 8.5 acres will require a soil cover consisting of 2' of clean soil pursuant to restricted residential use guidelines.
5. The volumes of contaminated soil/fill are estimates based on limited data. Additional data is required to fully delineate the extent of contamination.
6. The area of impacted groundwater to be subject to in-situ treatment has been estimated based on limited data.
Additional data is required to fully delineate the extent of groundwater contamination and the corresponding treatment area.
7. Assumes the building complex will be demolished using controlled demolition methods to address Asbestos Containing Material (ACM)
8. This estimate is preliminary in nature and has an accuracy of +/- 50%.
9. Actual costs will be a function of the remedial actions required by NYSDEC & NYSDOH, which have yet to be defined and may vary significantly from those estimated herein.