

Soil and Groundwater Management Plan

NYSDEC Spill #0906903

Location:

185 Scio Street
Rochester, New York

Prepared for:

185 Scio Street Associates, LLC
C/O Thomas F. Walsh, Esq.
Barclay Damon, LLP
100 Chestnut Street
Rochester, New York 14604

LaBella Project No. 214603

October 2016

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Figure 1: Site Location Map

Figure 2: Remedial Excavation and Confirmatory Soil Sample Locations

Table 1: Confirmatory Soil Sample Results

Attachment 1: Example Sub-Slab Depressurization System Layout

Attachment 2: Analytical Laboratory Data

Attachment 3: Health and Safety Plan

1.0 Introduction

LaBella Associates, D.P.C. (“LaBella”) has developed this Soil and Groundwater Management Plan (SGMP) to be implemented in the event that future ground intrusive work encounters petroleum-impacted soil or groundwater at 185 Scio Street, located in the City of Rochester, Monroe County, New York, hereinafter referred to as the “Site”. The Site is located within a commercial and residential area of the City of Rochester. Refer to Figure 1 for a Site Location Map.

2.0 Background

Historically, portions of the Site were developed with residential homes which were later demolished. The Site was also utilized as a delivery depot with associated vehicle repair facilities, and later, as an ambulance depot also with associated repair facilities. Former operations at the Site utilized underground storage tanks (USTs) for the bulk storage of petroleum products and hydraulic lifts.

In July 2014, LaBella oversaw the completion of remedial actions at the Site, including the excavation of approximately 2,900 tons of petroleum-impacted soil which were disposed at Waste Management’s Mill Seat Landfill; a NYSDEC Part 360 Permitted Landfill.

Confirmatory soil samples were collected from the bottom and side walls of the remedial excavation, prior to backfilling with clean imported material, and analyzed for New York State Department of Environmental Conservation (NYSDEC) Commissioner Policy 51 (CP-51) volatile organic compounds (VOCs). VOCs were detected in several confirmatory soil samples. The excavation extended to bedrock in some locations where confirmatory soil samples were not collected. The excavation was limited by the right-of-way to the east. The remediation was successful in removing the source area. Nevertheless, residual contamination may be present at the Site. Refer to Figure 2 for the approximate excavation footprint. Analytical laboratory results from confirmatory soil samples are included as Attachment 2 and summarized in Table 1.

As requested by the NYSDEC, this SGMP has been prepared for use in connection with the closure of NYSDEC Spill No. 0906903. This SGMP is based upon the cumulative results of the remedial activities completed at the Site and the findings of several subsurface investigations conducted at the Site by LaBella and others.

3.0 Objective

This SGMP is intended to provide guidance in the identification and management of residual petroleum-impacted soil and/or groundwater that may be encountered during future construction-related excavations at the Site (e.g., utility work, etc.).

This SGMP has been prepared in general accordance with current United States Environmental Protection Agency (USEPA) and NYSDEC non-hazardous waste disposal regulations and guidelines. This SGMP is intended to satisfy the requirements established by the NYSDEC regarding the handling of petroleum-impacted media generated during construction.

This SGMP shall guide any entity that may disturb the subsurface at the Site, including the current and future owners and occupants of the Site, and their contractors. As requested by NYSDEC, copies of this SGMP will also be provided to the following regulatory agencies:

- The New York State Department of Transportation (NYSDOT);
- The NYSDEC; and
- The City of Rochester

In addition, a courtesy copy will also be provided to the Rochester City School District.

4.0 Field Screening and Monitoring

This section of the SGMP details field screening and monitoring procedures to be implemented during ground-intrusive work. The method to screen and segregate soil will rely on visual evidence of impairment, olfactory evidence of impairment, photoionization detector (PID) readings, and laboratory analytical data generated during prior environmental investigations at the Site.

4.1 Development of Screening Procedures for Excavated Soil

During ground intrusive work, excavated material shall be continuously screened with a PID to identify evidence of impairment. Petroleum-impacted soils at the Site may exhibit moderate to strong petroleum odors and may register elevated readings above background levels on a PID. Classes of materials are further described in section 5.1 and shall be identified by the presence of elevated PID readings, and/or petroleum-like odors.

Confirmatory soil samples were collected during remedial actions from the side walls and bottom of the excavation. Residual contamination may be present at the outer limits of the remedial excavation. Approximate locations of confirmatory soil samples are included on Figure 2. In addition, analytical data is summarized on Table 1. Refer to this data for information on the presence of potential residual contamination.

Upon discovery of petroleum-impacted media at the Site, Site contractors should follow their company's health and safety plan to provide for worker health and safety measures. A copy of the contractor's health and safety plan should be available on-site during ground intrusive work. In addition, the Site contractors should notify the following parties:

Mr. Michael F. Zamiarski, P.E.
NYSDEC Region 8
Bureau of Spill Prevention and Response
6274 East Avon-Lima Road
Avon, New York 14414
Telephone: (585) 226-5438

LaBella Associates D.P.C.
Attn.: Dennis Porter
Suite 201
300 State Street
Rochester, New York 14614
Telephone: (585) 295-6245

185 Scio Street Associates, LLC
c/o Thomas F. Walsh, Esq.
Barclay Damon, LLP
100 Chestnut Street
Rochester, New York 14606
Telephone: (585) 295-4414

John M. Summers
c/o Kenneth A. Marvald, Esq.
1001 Lexington Avenue
Rochester, New York 14604
Telephone: (585) 546-6844

5.0 Materials Handling

This section of the SGMP describes how excavated material containing petroleum will be handled, including how the material will be staged, characterized, re-utilized on-site and/or disposed of off-Site. Materials handling procedures are to be utilized during all ground-intrusive work.

5.1 Material Characterization for Excavated Soil

Three (3) classes of soil have been defined for the Site. Each of these three (3) classes of material will be categorized, managed, and handled as described in the following table.

Material Classification Table

Class of Material	Description	Screening Parameter	Management/ Re-use of Material
Class 1	Soil free of petroleum impacts.	No Discernable Odor; PID Readings < 25 ppm; No Staining.	Unrestricted use anywhere on the Site; Unrestricted off-site disposal, if required; Use on Site to cover Class 2 Materials.
Class 2	Soil with low to moderate petroleum impacts.	PID readings greater than 25 ppm but less than 100 ppm without significant nuisance odors.	Sample in accordance with the <i>NYSDEC CP-51</i> guidance document. Depending upon sampling results (refer to Section 6.0), use on-site as fill, placed under at least 1 foot of Class 1 Material or 1 foot of imported “clean” material; or restricted off-site disposal per 6 NYCRR Part 360 requirements.
Class 3	Soil and fill material with petroleum impacts.	PID readings greater than 100 ppm and PID readings greater than 25 ppm with significant nuisance odors.	Restricted off-site disposal per 6 NYCRR Part 360 requirements.

Notes:

NYSDEC CP-51 = NYSDEC *Final Commissioner Policy, CP-51* Soil Cleanup Guidance document dated October 21, 2010.

5.2 Excavated Soil Staging

The three classes of soil described in section 5.1 shall be staged as follows:

- *Class 1 Materials* will be staged for later use as cover material or removed from the Site as clean fill. No Containment System Required.
- *Class 2 Materials* will be staged on and covered with 6-mil polyethylene sheeting until sampled and a determination on on-site reuse or off-site disposal is made.
- *Class 3 Materials* will be staged on and covered with 6-mil polyethylene sheeting in the “off-site disposal staging area” at the Site. The location of the “off-site disposal staging area” will be selected at the time of the excavation work.

Notes:

- *Class 3 Material may require waste characterization sampling and analysis prior to off-site transportation & disposal.*
- *Water (groundwater or stormwater) with a visible sheen or petroleum odors that accumulates in any excavation should also be properly managed (refer to Section 7.0 of this Plan).*

In accordance with NYSDEC solid waste regulations, Class 2 and 3 Materials, when transported from the Site, should be transported via NYSDEC Part 364 Permitted vehicles for final disposal at a NYSDEC Part 360 Landfill within 60 days of stockpiling. A site-specific waste characterization profile for Class 2 or 3 Materials may be required for landfill approval.

All waste streams will be staged separately. The Contractor will be required to cover the Class 2 and Class 3 Materials with plastic sheeting during non-working hours. The covers will be anchored or weighted at the edges to prevent stormwater and/or wind-borne erosion.

5.3 Material Management

The three classes of soil described in Section 5.1 shall be managed as follows:

- *Class 1 Materials* may be reused anywhere on site, used to cover Class 2 material, or disposed of off-Site if necessary.
- *Class 2 Materials* must be sampled in accordance with the NYSDEC CP-51 guidance document (refer to section 6.0), used on-Site as fill placed beneath at least one foot of Class 1 material, one foot of clean imported material, or restricted off-Site disposal per 6 NYCRR Part 360 requirements. (Refer to section 5.3 for further details.)
- *Class 3 Materials* will be disposed of off-site per 6 NYCRR Part 360 requirements.

5.4 Cover Thickness and Procedures for Class 2 Materials

All Class 2 Materials acceptable for on-site re-use will be covered upon completion of the earthwork portion of the redevelopment activities. The following table details the requirements for covering Class 2 Materials.

Excavated Material Cover Requirements

Action	Class 2 Material
Final Cover Requirement and Details	Covered with a minimum of 1 foot of Class 1 Material or 1 foot of imported “clean fill” and seeded, if cover material is not gravel. No cover requirement if area is to be paved or covered with other impervious building materials.

6.0 Solid Waste Sampling and Disposal

Based upon observations made during prior environmental investigations, the presence of Class 2 and Class 3 Materials is limited within overburden soil at the Site. Laboratory analysis of soil samples may be required if future ground intrusive work at the Site uncovers potential Class 2 and Class 3 Materials.

Class 1 Materials: Will be staged for later use as cover material or removed from the Site as “clean fill”, no laboratory analysis required.

Class 2 Materials: Will be excavated and staged on and covered with 6-mil polyethylene sheeting at the Site. Samples of the material staged as apparent Class 2 Material should be collected and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis of *NYSDEC CP-51*-list VOCs in order to determine if on-site reuse or off-Site disposal is appropriate. The *NYSDEC CP-51* guidance document should be consulted to determine the appropriate number and type of soil samples required, based upon the quantity of the material in question. The laboratory analytical results should be compared to the following criteria:

- If laboratory analysis indicates the Class 2 Material contains concentrations of petroleum-related compounds below the Soil Cleanup Levels outlined in Table 2 (for gasoline-related petroleum) or Table 3 (for fuel oil-related petroleum) the *NYSDEC CP-51* guidance document, then such material may be re-used on-site. All Class 2 Materials reused on-Site will be covered with 1 foot of Class 1 Material or 1 foot of imported “clean fill”, or capped with an impervious material (e.g., asphalt pavement, concrete pavers, etc.)
- If laboratory analysis indicates the Class 2 Material contains contaminants above the applicable Soil Cleanup Levels outlined in the *NYSDEC CP-51* guidance document, then the material will be disposed off-site at a NYSDEC Part 360 permitted landfill (e.g., Mill Seat Landfill). *[Note: this material may require waste characterization sampling and analysis prior to off-site transportation & disposal.]*

Class 3 Materials: In general, Class 3 Material will be excavated and staged on and covered with 6-mil polyethylene sheeting. Any stockpiled Class 3 Material shall be transported off-site for disposal at a NYSDEC Part 360 permitted landfill within 60 days.

7.0 Excavation Derived Water Management Plan

This section provides procedures for the identification and proper handling, treatment, and disposal of groundwater and/or rainwater that may be encountered in future on-site excavations.

Petroleum-impacted groundwater will exhibit petroleum odors and/or exhibit petroleum sheen. Upon discovery of petroleum-impacted groundwater in an on-site excavation, the provisions of this section shall be followed, and contractors should follow their company’s health and safety plan to provide for worker health and safety measures.

The impacted water management plan is as follows:

1. If petroleum-impacted excavation waters are encountered, a vacuum truck could be utilized to remove the liquids from the excavation, or an appropriately-sized container should be mobilized and staged at a location close to the excavation. The container should be located in a level area that is protected from vehicular traffic yet remains accessible to trucks and the sanitary sewer system. The Contractor will need to supply the appropriate number and size of “trash” pumps to effectively pump the water to the temporary containment tank(s). The Contractor will be responsible for reducing the turbidity of the water during pumping (i.e., removing/filtering suspended solids/sediments).
2. When the vacuum truck or container becomes full, a sample of the containerized water will be collected and submitted to a NYSDOH ELAP-certified laboratory for analysis, as dictated by the disposal and/or receiving facility (e.g., *NYSDEC CP-51*-list VOCs using USEPA Method 8260 and *NYSDEC CP-51*-list SVOCs using USEPA Method 8270). [*Note: the laboratory analyses required will be dictated by the disposal facility.*]
3. The laboratory analytical results will be compared to the criteria dictated by the disposal and/or receiving facility. In the event that contaminant concentrations exceed the disposal facility’s criteria, the water will need to be treated using an appropriate system (e.g., additional filtering, carbon treatment, air stripping, etc.) to remove contaminants and discharged to a second tank (or re-circulated through the treatment system and back into the same container). A second sample of the treated water will then be collected in order to confirm that contaminants were removed to concentrations below the disposal facility’s criteria. This process will be repeated if necessary. Subsequent to receiving results in compliance with the disposal facility’s criteria, approval for disposal of the liquids shall be obtained. The liquids shall be transported from the Site via properly permitted vehicles.

8.0 Sub-Slab Depressurization System

Design plans for any proposed building constructed over a location with residual levels of petroleum constituents and that is intended to be occupied may require engineering controls be in place prior to human occupancy of the building. Engineering controls shall consist of piping for a sub-slab depressurization system (SSDS) and a sub-slab vapor barrier. The piping for the SSDS system shall meet the performance criteria of the guidance of the New York State Department of Health (NYSDOH).

The vapor barrier shall consist of a polyethylene vapor barrier or equivalent flexible sheeting material to be placed beneath the building floor slab. Any perforations or punctures developed in the sheeting shall be sealed and/or repaired according to the manufactures instructions. Beneath the vapor barrier shall be a layer of crushed stone. Lengths of perforated piping will be installed in the crushed stone layer across the length of the building footprint terminating at a vertical standpipe on the exterior of the building with riser piping extending to above the roof. Lengths of ¼ inch flexible tubing shall be installed in the layer of crushed stone at various locations, terminating on the exterior of the building to be used as pressure monitoring points. The soil vapor emissions from the riser pipe shall be sampled for EPA Method TO-15 analysis to determine if active depressurization is necessary.

If requested by the NYSDEC based upon review of the results of the riser pipe emissions sampling, the riser piping will be outfitted with a radon type exhaust fan or a small regenerative blower. If activation is required by the NYSDEC, then periodic testing of the system shall be conducted to confirm operation. Refer to Attachment 1 for an example SSDS layout with material profile and exterior wall section.

9.0 Notification of Appropriate Parties

Upon discovery of petroleum-impacted media at the Site, the following parties shall be notified immediately, so that appropriate management of petroleum-impacted media can be implemented:

Site Owner:

John M. Summers
c/o Kenneth A. Marvald, Esq.
1001 Lexington Avenue
Rochester, New York 14606
Telephone: (585) 546-6844

With a copy to:

185 Scio Street Associates, LLC
c/o Thomas F. Walsh, Esq.
Barclay Damon, LLP
100 Chestnut Street
Rochester, New York 14604
Telephone: (585) 295-4414

LaBella Associates D.P.C.
Attn.: Dennis Porter
Suite 201
300 State Street
Rochester, New York 14614
Telephone: (585) 295-6245

NYSDEC:

Mr. Michael F. Zamiarski, P.E.
NYSDEC Region 8
Bureau of Spill Prevention and Response
6274 East Avon-Lima Road
Avon, New York 14414
Telephone: (585) 226-5438

10.0 Decontamination of Equipment

It is recommended that all equipment used on the work Site and that comes in contact with petroleum-impacted soil be decontaminated using manual methods to scrape off residual soil from the equipment prior to the equipment demobilizing from the Site. Decontamination procedures shall be utilized by contractors to ensure contaminated material does not leave the Site unless under regulated disposal procedures.

11.0 Health and Safety Plan

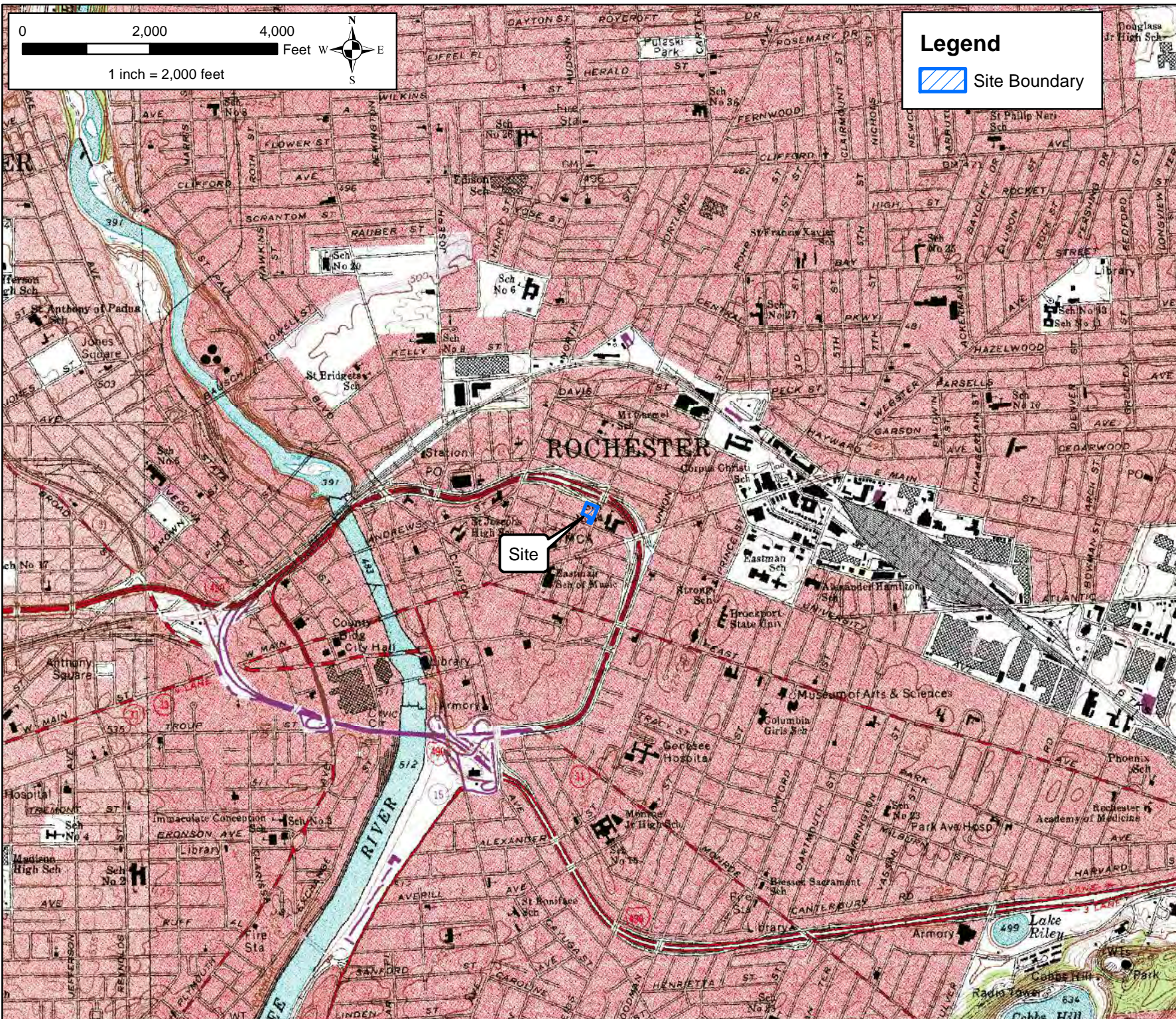
Contractors disturbing subsurface soil and/or groundwater should develop a Site-specific Health and Safety Plan (HASP) to manage potential health and safety issues associated with the potential for worker exposure to on-site chemicals of concern. A HASP is included as Attachment 3 as guidance; however, implementation of a HASP is the responsibility of the contractor conducting the work. A copy of the Site-specific HASP should be kept on-Site during ground-intrusive work.

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LaBELLA


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300 State Street
Rochester, New York 14614

Figures



Path: I:\185 Scio Street Associates\214603 - Remedial Action\Drawings\SGMP Figure 1.mxd

Legend

 Site Boundary

300 STATE STREET
 ROCHESTER, NY 14614
 P: (585) 454-6110
 F: (585) 454-3666
 www.labella.com
 copyright 2003

LABELLA

Associates, D.P.C.

PROJECT TITLE

SOIL AND GROUNDWATER
 MANAGEMENT PLAN

185 SCIO STREET
 ROCHESTER, NEW YORK
 SPILL # 0906903

185 SCIO STREET ASSOC., LLC

DRAWING TITLE

SITE LOCATION MAP WITH USGS
 7.5-MINUTE TOPOGRAPHIC
 QUADRANGLE

ISSUED FOR	REVIEW	DATE: 01/06/05	BY:	PJ
DESIGNED BY	DATE:	BY:	REVIEWED BY	DEP

PROJECT/DRAWING NUMBER

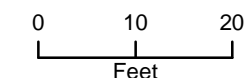
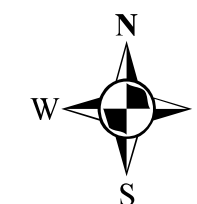
[214603]

[FIGURE 1]

185 SCIO STREET ASSOC., LLC

185 SCIO STREET
ROCHESTER, NEW YORK
SPILL # 0906903

Remedial Excavation &
Confirmatory Soil
Sample Locations



1 inch = 20 feet

Intended to print on 11" x 17".



Notes:
1. All locations are approximate.
2. 2012 aerial photograph obtained from NYS GIS Clearinghouse.

Legend

- Bottom Confirmatory Sample Location
- Sidewall Confirmatory Soil Sample Location
- Excavation To Bedrock
- Remedial Excavation
- Site Boundary

[214603]

[FIGURE 2]

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LaBella Associates, D.P.C.
300 State Street
Rochester, New York 14614

Tables

**Limited Phase II Environmental Site Assessment
185 Scio Street Rochester New York 14614**

**Table 1
Summary of Analytical Results - Volatile Organic Compounds - Soil (Parts Per Billion)**

Test Boring/Sample No.:	SWC 10-12'	W-SWC 12'	NWC 12'	E-SEC 13'	B-1 14'	B-2 14'-15'	B3 13'	B4 14'	B-5	B-6 14'	B-7 16'	B-8-13'	NYSDEC CP-51 Soil Cleanup Levels for Gasoline Contaminated Soils	6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential	6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Commercial
Sample Depth (ft.)	10-12'	12'	12'	13'	14'	14'	13'	14'	12'	14'	16'	13'			
Date Sampled:	7/7/14	7/8/2014	7/8/14	7/9/2014	7/8/2014	7/8/14	7/9/14	7/9/2014	7/11/14	7/29/14	7/24/14	7/24/14			
<i>CP-51 Gasoline Contaminated Soils List VOCs</i>															
Benzene	ND < 104	ND < 8.23	ND < 7.57	10.6	ND < 8.05	ND < 7.06	ND < 6.69	ND < 12.8	ND < 104	ND < 8.18	ND < 7.60	ND < 6.81	60	4,800	44,000
n-Butylbenzene	1,040	ND < 8.23	ND < 7.57	13.4	ND < 8.05	ND < 7.06	ND < 6.69	ND < 12.8	ND < 104	ND < 8.18	ND < 7.60	ND < 6.81	12,000	100,000	500,000
sec-Butylbenzene	169	ND < 8.23	ND < 7.57	ND < 7.60	ND < 8.05	ND < 7.06	ND < 6.69	ND < 12.8	ND < 104	ND < 8.18	ND < 7.60	ND < 6.81	11,000	100,000	500,000
tert-Butylbenzene	ND < 104	ND < 8.23	ND < 7.57	ND < 7.60	ND < 8.05	ND < 7.06	ND < 6.69	ND < 12.8	ND < 104	ND < 8.18	ND < 7.60	ND < 6.81	5,900	100,000	500,000
Ethylbenzene	ND < 104	ND < 8.23	ND < 7.57	361	ND < 8.05	ND < 7.06	ND < 6.69	477	ND < 104	ND < 8.118	43.8	ND < 6.81	1,000	41,000	390,000
n-Propylbenzene	475	ND < 8.23	ND < 7.57	55.3	ND < 8.05	ND < 7.06	ND < 6.69	42.2	ND < 104	ND < 8.18	8.73	ND < 6.81	3,900	100,000	500,000
Isopropylbenzene	ND < 104	ND < 8.23	ND < 7.57	24.6	ND < 8.05	ND < 7.06	ND < 6.69	21.8	ND < 104	ND < 8.18	ND < 7.60	ND < 6.81	2,300	Not Listed	Not Listed
4-Isopropyltoluene	ND < 104	ND < 8.23	ND < 7.57	ND < 7.60	ND < 8.05	ND < 7.06	ND < 6.69	ND < 12.8	107	ND < 8.18	ND < 7.60	ND < 6.81	10,000	Not Listed	Not Listed
Naphthalene	ND < 206	ND < 20.6	ND < 18.9	129	ND < 20.1	ND < 17.6	21.1	127	ND < 206	23.2	41.1	ND < 17.0	12,000	100,000	500,000
Toluene	ND < 104	ND < 8.23	ND < 7.57	142	ND < 8.05	ND < 7.06	ND < 6.69	88.8	ND < 104	ND < 8.18	15.6	ND < 6.81	700	100,000	500,000
1,2,4-Trimethylbenzene	606	ND < 8.23	ND < 7.57	476	ND < 8.05	ND < 7.06	30.8	372	231	ND < 8.18	58.8	ND < 6.81	3,600	52,000	190,000
1,3,5-Trimethylbenzene	1,020	ND < 8.23	ND < 7.57	128	ND < 8.05	ND < 7.06	7.6	101	1,170	ND < 8.18	17	ND < 6.81	8,400	52,000	190,000
m,p-Xylene	ND < 104	ND < 8.23	ND < 7.57	1410	ND < 8.05	ND < 7.06	22.3	1640	ND < 104	ND < 8.18	167	ND < 6.81	260	Not Listed	Not Listed
o-Xylene	ND < 104	ND < 8.23	ND < 7.57	440	ND < 8.05	ND < 7.06	ND < 6.69	656	ND < 104	ND < 8.18	8	ND < 6.81	260	Not Listed	Not Listed
Mixed Xylene's	ND < 104	ND < 8.23	ND < 7.57	1850	ND < 8.05	ND < 7.06	22.3	2296	ND < 104	ND < 8.18	175	ND < 6.81	Not Listed	100,000	500,000
Methyl tert-butyl Ether	ND < 104	ND < 8.23	ND < 7.57	ND < 7.60	ND < 8.05	ND < 7.06	ND < 6.69	ND < 12.8	ND < 104	ND < 8.18	ND < 7.60	ND < 6.81	930	100,000	500,000

Notes:

1. Samples analyzed for NYSDEC CP-51 Gasoline Contaminated Soil List VOCs using USEPA Method 8260.
2. Analytical Results Expressed in micrograms per kilogram (µg/Kg) or parts per billion (ppb).
3. "ND" indicates analyte not detected above laboratory method detection limit (MDL).
4. **Highlighted** font indicates analyte detected above the respective NYSDEC CP-51 SCL for Gasoline Contaminated Soils.
5. **Bolded** font indicates analyte detected above the respective "6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential"
6. **Bolded and underlined** font indicates analyte detected above the respective 6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential and Commercial
7. "N/A" indicates not applicable or not provided.

**Limited Phase II Environmental Site Assessment
185 Scio Street Rochester New York 14614**

Table 1

Summary of Analytical Results - Volatile Organic Compounds - Soil (Parts Per Billion)

Test Boring/Sample No.:	S-C 10'-11'	S-C- 10'-11'	W-C 11'	W-C (UPPER) 8'-9'	N-Wall-1	N-Wall-2	N-Wall-3 10'-11'	N-Wall-4 14'	N-Wall-N 7'-8'	N-Wall-N 10'-11'	S-Wall 10'	S-Wall-2 10'	NYSDEC CP-51 Soil Cleanup Levels for Gasoline Contaminated Soils	6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential	6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Commercial
Sample Depth (ft.)	10'-11'	10'-11'	11'	8'-9'	11'	11'	10'-11'	14'	7'-8'	10'-11'	10'	10'			
Date Sampled:	7/9/14	7/9/14	7/9/2014	7/9/14	7/16/14	7/16/14	7/22/14	7/24/14	7/24/14	7/24/14	7/22/14	7/22/14			
CP-51 Gasoline Contaminated Soils List VOCs															
Benzene	ND < 9.59	ND <9.59	ND < 90.8	ND < 8.95	ND < 6.67	ND < 7.39	12	ND < 8.99	ND < 4160	ND < 118	ND < 8.18	ND < 9.59	60	4,800	44,000
n-Butylbenzene	ND < 9.59	ND <9.59	1570	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	ND < 4160	582	ND < 8.18	ND < 9.59	12,000	100,000	500,000
sec-Butylbenzene	ND < 9.59	ND <9.59	ND < 90.8	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	ND < 4160	ND <188	ND < 8.18	ND < 9.59	11,000	100,000	500,000
tert-Butylbenzene	ND < 9.59	ND <9.59	ND < 90.8	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	ND < 4160	ND <118	ND < 8.18	ND < 9.59	5,900	100,000	500,000
Ethylbenzene	ND < 9.59	ND <9.59	188	ND < 8.95	ND < 6.67	ND < 7.39	46.6	ND <8.99	14,600.0	ND <118	ND < 8.18	ND < 9.59	1,000	41,000	390,000
n-Propylbenzene	ND < 9.59	ND <9.59	830	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	37,500.00	207.00	ND < 8.18	15	3,900	100,000	500,000
Isopropylbenzene	ND < 9.59	ND <9.59	192	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	8,170.00	ND <118	ND < 8.18	ND < 9.59	2,300	Not Listed	Not Listed
4-Isopropyltoluene	ND < 9.59	ND <9.59	340	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	ND < 4160	ND <118	ND < 8.18	ND < 9.59	10,000	Not Listed	Not Listed
Naphthalene	ND < 24.0	ND <24.0	1740	ND < 22.4	ND < 16.7	ND < 18.5	64	ND < 22.5	19,200.0	1,090.0	ND < 20.5	ND < 24.0	12,000	100,000	500,000
Toluene	ND < 9.59	ND <9.59	ND < 90.8	ND < 8.95	ND < 6.67	ND < 7.39	23.6	ND <8.99	ND < 4160	ND < 118	ND < 8.18	ND < 9.59	700	100,000	500,000
1,2,4-Trimethylbenzene	ND < 9.59	ND <9.59	7440	ND < 8.95	ND < 6.67	ND < 7.39	54.1	16.5	225,000.0	2,610.0	ND < 8.18	24	3,600	52,000	190,000
1,3,5-Trimethylbenzene	ND < 9.59	ND <9.59	3530	ND < 8.95	ND < 6.67	ND < 7.39	17.1	ND <8.99	78,000	741	ND < 8.18	ND < 9.59	8,400	52,000	190,000
m,p-Xylene	ND < 9.59	ND <9.59	1610	ND < 8.95	ND < 6.67	ND < 7.39	97.7	ND <8.99	57,300	153	ND < 8.18	ND < 9.59	260	Not Listed	Not Listed
o-Xylene	ND < 9.59	ND <9.59	ND < 90.8	ND < 8.95	ND < 6.67	ND < 7.39	19.2	ND <8.99	ND < 4160	ND < 118	ND < 8.18	ND < 9.59	260	Not Listed	Not Listed
Mixed Xylene's	ND <9.59	ND <9.59	1610	ND < 8.95	ND <6.67	ND < 7.39	116.9	ND < 8.99	57,300	153	ND < 8.18	ND < 9.59	Not Listed	100,000	500,000
Methyl tert-butyl Ether	ND < 9.59	ND <9.59	ND < 90.8	ND < 8.95	ND < 6.67	ND < 7.39	ND < 8.94	ND <8.99	ND < 4160	ND < 118	ND < 8.18	ND < 9.59	930	100,000	500,000

Notes:

1. Samples analyzed for NYSDEC CP-51 Gasoline Contaminated Soil List VOCs using USEPA Method 8260.
2. Analytical Results Expressed in micrograms per kilogram (µg/Kg) or parts per billion (ppb).
3. "ND" indicates analyte not detected above laboratory method detection limit (MDL).
4. **Highlighted font in** indicates analyte detected above the respective NYSDEC CP-51 SCL for Gasoline Contaminated Soils.
5. **Bolded** font indicates analyte detected above the respective "6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential"
6. **Bolded and underlined** font indicates analyte detected above the respective 6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential and Commercial
7. "N/A" indicates not applicable or not provided.

**Limited Phase II Environmental Site Assessment
185 Scio Street Rochester New York 14614**

Table 1

Summary of Analytical Results - Volatile Organic Compounds - Soil (Parts Per Billion)

Test Boring/Sample No.:	E-Wall-1 10'-11'	E-Wall-3 10'-11'	E-Wall-2 13'	NYSDEC CP-51 Soil Cleanup Levels for Gasoline Contaminated Soils	6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential	6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Commercial
Sample Depth (ft.):	10'-11'	10'-11'	13'			
Date Sampled:	7/23/14	7/24/14	7/23/14			
<i>CP-51 Gasoline Contaminated Soils List VOCs</i>						
Benzene	ND < 10.6	ND < 10.7	ND < 14.2	60	4,800	44,000
n-Butylbenzene	24.3	ND < 10.7	121	12,000	100,000	500,000
sec-Butylbenzene	ND < 10.6	ND < 10.7	14.4	11,000	100,000	500,000
tert-Butylbenzene	ND < 10.6	ND < 10.7	ND < 14.2	5,900	100,000	500,000
Ethylbenzene	39.5	ND < 10.7	92.6	1,000	41,000	390,000
n-Propylbenzene	25.4	ND < 10.7	116	3,900	100,000	500,000
Isopropylbenzene	ND < 10.6	ND < 10.7	21.1	2,300	Not Listed	Not Listed
4-Isopropyltoluene	ND < 10.6	ND < 10.7	15.4	10,000	Not Listed	Not Listed
Naphthalene	93.2	133.0	465.0	12,000	100,000	500,000
Toluene	185	ND < 10.7	ND < 14.2	700	100,000	500,000
1,2,4-Trimethylbenzene	53.7	66.0	913	3,600	52,000	190,000
1,3,5-Trimethylbenzene	ND < 10.6	19.1	282	8,400	52,000	190,000
m,p-Xylene	154	14.2	222	260	Not Listed	Not Listed
o-Xylene	11.9	ND < 10.7	ND < 14.2	260	Not Listed	Not Listed
Mixed Xylene's	166.0	14	222	Not Listed	100,000	500,000
Methyl tert-butyl Ether	ND < 10.6	ND < 10.7	ND < 14.2	930	100,000	500,000

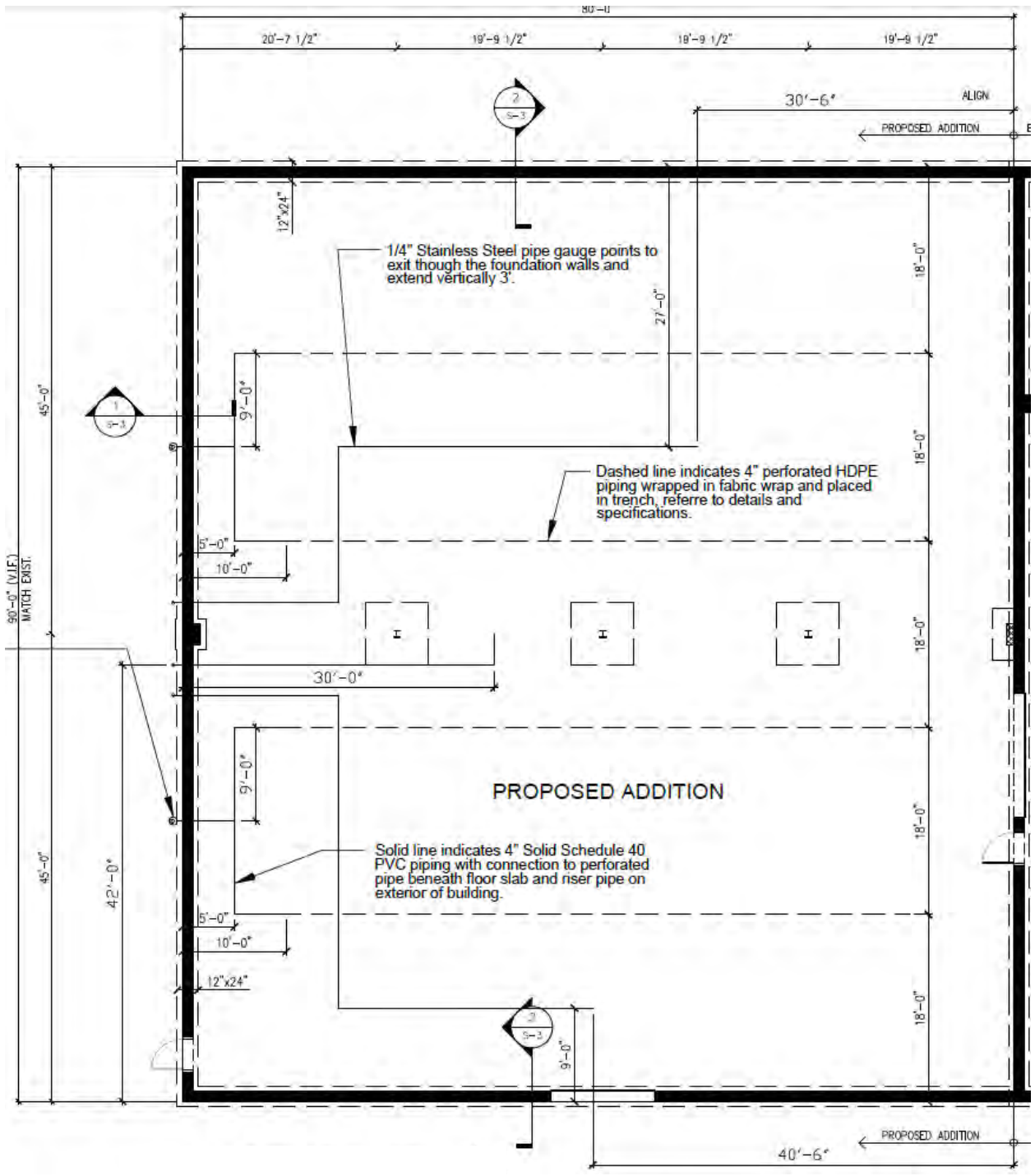
Note:

1. Samples analyzed for NYSDEC CP-51 Gasoline Contaminated Soil List VOCs using USEPA Method 8260.
2. Analytical Results Expressed in micrograms per kilogram (µg/Kg) or parts per billion (ppb).
3. "ND" indicates analyte not detected above laboratory method detection limit (MDL).
4. **Highlighted font indicates analyte** detected above the respective NYSDEC CP-51 SCL for Gasoline Contaminated Soils.
5. **Bolded** font indicates analyte detected above the respective "6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential"
6. **Bolded and underlined** font indicates analyte detected above the respective 6-NYCRR Subpart 375-6 Remedial Soil Cleanup Objective: Public Health Restricted Residential and Commercial
7. "N/A" indicates not applicable or not provided.

LaBELLA

LaBella Associates, D.P.C.
300 State Street
Rochester, New York 14614

Attachment 1



1/4" Stainless Steel pipe gauge points to exit through the foundation walls and extend vertically 3'.

Dashed line indicates 4" perforated HDPE piping wrapped in fabric wrap and placed in trench, refer to details and specifications.

Solid line indicates 4" Solid Schedule 40 PVC piping with connection to perforated pipe beneath floor slab and riser pipe on exterior of building.

PROPOSED ADDITION

90'-0" (V.I.F.)
MATCH EXIST.

45'-0"

45'-0"

42'-0"

20'-7 1/2"

19'-9 1/2"

18'-9 1/2"

19'-9 1/2"

80-11

30'-6"

ALIGN

PROPOSED ADDITION

12"x24"

27'-0"

18'-0"

18'-0"

18'-0"

18'-0"

18'-0"

18'-0"

5'-0"

10'-0"

9'-0"

5'-0"

10'-0"

12"x24"

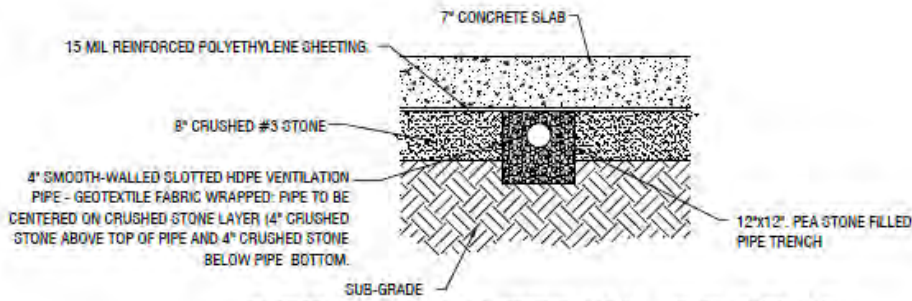
30'-0"

9'-0"

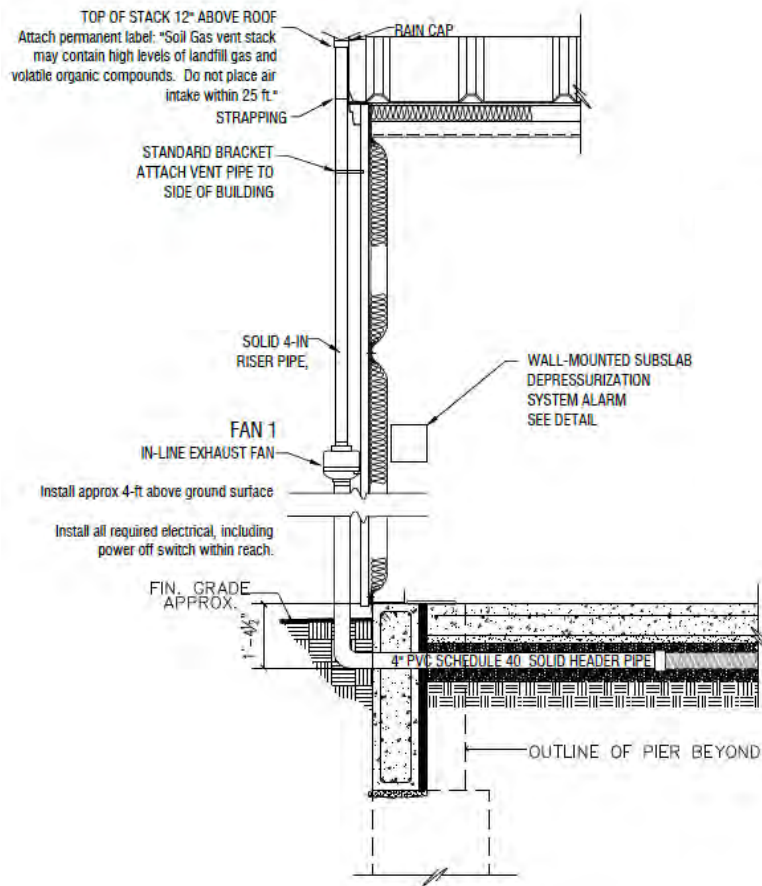
40'-6"

PROPOSED ADDITION





DETAIL: MATERIAL PROFILE



REAR ENDWALL

LaBELLA

LaBella Associates, D.P.C.
300 State Street
Rochester, New York 14614

Attachment 2



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

142859

Referencing

185 Scio St.

Prepared

Thursday, July 10, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, consisting of several overlapping, slanted strokes, positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: NWC 12'

Lab Sample ID: 142859-01

Date Sampled: 7/8/2014

Matrix: Soil

Date Received: 7/8/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
1,3,5-Trimethylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
Benzene	< 7.57	ug/Kg		7/9/2014 14:01
Ethylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
Isopropylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
m,p-Xylene	< 7.57	ug/Kg		7/9/2014 14:01
Methyl tert-butyl Ether	< 7.57	ug/Kg		7/9/2014 14:01
Naphthalene	< 18.9	ug/Kg		7/9/2014 14:01
n-Butylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
n-Propylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
o-Xylene	< 7.57	ug/Kg		7/9/2014 14:01
p-Isopropyltoluene	< 7.57	ug/Kg		7/9/2014 14:01
sec-Butylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
tert-Butylbenzene	< 7.57	ug/Kg		7/9/2014 14:01
Toluene	< 7.57	ug/Kg		7/9/2014 14:01

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14809.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B-1 14'

Lab Sample ID: 142859-02

Date Sampled: 7/8/2014

Matrix: Soil

Date Received: 7/8/2014

Volatile Organics (Petroleum)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,2,4-Trimethylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
1,3,5-Trimethylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
Benzene	< 8.05	ug/Kg		7/9/2014 14:25
Ethylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
Isopropylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
m,p-Xylene	< 8.05	ug/Kg		7/9/2014 14:25
Methyl tert-butyl Ether	< 8.05	ug/Kg		7/9/2014 14:25
Naphthalene	< 20.1	ug/Kg		7/9/2014 14:25
n-Butylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
n-Propylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
o-Xylene	< 8.05	ug/Kg		7/9/2014 14:25
p-Isopropyltoluene	< 8.05	ug/Kg		7/9/2014 14:25
sec-Butylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
tert-Butylbenzene	< 8.05	ug/Kg		7/9/2014 14:25
Toluene	< 8.05	ug/Kg		7/9/2014 14:25

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14810.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B-2 14-15'

Lab Sample ID: 142859-03

Date Sampled: 7/8/2014

Matrix: Soil

Date Received: 7/8/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
1,3,5-Trimethylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
Benzene	< 7.06	ug/Kg		7/9/2014 14:49
Ethylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
Isopropylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
m,p-Xylene	< 7.06	ug/Kg		7/9/2014 14:49
Methyl tert-butyl Ether	< 7.06	ug/Kg		7/9/2014 14:49
Naphthalene	< 17.6	ug/Kg		7/9/2014 14:49
n-Butylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
n-Propylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
o-Xylene	< 7.06	ug/Kg		7/9/2014 14:49
p-Isopropyltoluene	< 7.06	ug/Kg		7/9/2014 14:49
sec-Butylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
tert-Butylbenzene	< 7.06	ug/Kg		7/9/2014 14:49
Toluene	< 7.06	ug/Kg		7/9/2014 14:49

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14811.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: W-SWC 12'

Lab Sample ID: 142859-04

Matrix: Soil

Date Sampled: 7/8/2014

Date Received: 7/8/2014

Volatile Organics (Petroleum)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,2,4-Trimethylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
1,3,5-Trimethylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
Benzene	< 8.23	ug/Kg		7/9/2014 15:13
Ethylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
Isopropylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
m,p-Xylene	< 8.23	ug/Kg		7/9/2014 15:13
Methyl tert-butyl Ether	< 8.23	ug/Kg		7/9/2014 15:13
Naphthalene	< 20.6	ug/Kg		7/9/2014 15:13
n-Butylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
n-Propylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
o-Xylene	< 8.23	ug/Kg		7/9/2014 15:13
p-Isopropyltoluene	< 8.23	ug/Kg		7/9/2014 15:13
sec-Butylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
tert-Butylbenzene	< 8.23	ug/Kg		7/9/2014 15:13
Toluene	< 8.23	ug/Kg		7/9/2014 15:13

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14812.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY



LAB PROJECT ID
142859

REPORT TO:

INVOICE TO:

CLIENT: Parabola Assoc, LLC ADDRESS: 300 State St, Paterson, NJ 07654 CITY: Paterson, NJ STATE: NJ ZIP: 07654
 CLIENT: SAME ADDRESS: SAME CITY: SAME STATE: SAME ZIP: SAME

PROJECT REFERENCE

185 Scio St,

PHONE:

459-6110

ATTN:

Dennis Porter

PHONE:

459-6110

ATTN:

Dennis Porter

Email:

dporter@parabola.com

Quotation #:

142859

Matrix Codes:
 AQ - Aqueous Liquid
 NAQ - Non-Aqueous Liquid

WA - Water
 WG - Groundwater

DW - Drinking Water
 WW - Wastewater

SO - Soil
 SL - Sludge

SD - Solid
 PT - Paint

WP - Wipe
 CK - Caulk

OL - Oil
 AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	G R A S	SAMPLE IDENTIFIER	M C A D T R E X	C O U N T B R A I N E R S	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/8/14	9:30	X		NWC 12'		CP51, VOLS 8260		01
7/8/14	10:00	X		B-1 14'				02
7/8/14	12:00	X		B-2 14' - 15'				03
7/8/14	16:00	X		W-3WC 12'				04

Turnaround Time

Availability contingent upon lab approval; additional fees may apply.

Report Supplements

Standard 5 day	<input type="checkbox"/>	Batch QC	<input type="checkbox"/>	Basic EDD	<input type="checkbox"/>
Rush 3 day	<input type="checkbox"/>	Category A	<input type="checkbox"/>	NYSDEC EDD	<input type="checkbox"/>
Rush 2 day	<input checked="" type="checkbox"/>	Category B	<input type="checkbox"/>		
Rush 1 day	<input type="checkbox"/>		<input type="checkbox"/>		
Other	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other EDD	<input type="checkbox"/>

Sampled By Kyle M. T. L. Date/Time 7/8/14

Refiniquished By [Signature] Date/Time 7/8/14 16:35

Received By [Signature] Date/Time 7/8/14 16:56

Received @ Lab By [Signature] Date/Time 7/8/14 16:56

Total Cost

PIF

1 of 2



Chain of Custody Supplement

2 of 2

Client: LaBella Completed by: SSL
 Lab Project ID: 142859 Date: 7/8/14

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	6°C cool		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



PARADIGM
ENVIRONMENTAL SERVICES, LLC

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

143312

Referencing

185 Scio St.

Prepared

Thursday, August 07, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "D. G. ...", positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-Wall-1, 10'-11'

Lab Sample ID: 143312-01

Date Sampled: 7/23/2014

Matrix: Soil

Date Received: 8/1/2014

Total Organic Carbon

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Total Organic Carbon	8520	mg/Kg		8/6/2014

Method Reference(s): Lloyd Kahn

Subcontractor ELAP ID: 10709

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-Wall-2, 13'

Lab Sample ID: 143312-02

Date Sampled: 7/23/2014

Matrix: Soil

Date Received: 8/1/2014

Total Organic Carbon

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Total Organic Carbon	9880	mg/Kg		8/6/2014

Method Reference(s): Lloyd Kahn
Subcontractor ELAP ID: 10709



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: N-Wall-N, 7'-8'

Lab Sample ID: 143312-03

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 8/1/2014

Total Organic Carbon

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Total Organic Carbon	12500	mg/Kg		8/6/2014

Method Reference(s): Lloyd Kahn
Subcontractor ELAP ID: 10709

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-Wall-3, 10'-11'

Lab Sample ID: 143312-04

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 8/1/2014

Total Organic Carbon

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
Total Organic Carbon	11300	mg/Kg		8/6/2014

Method Reference(s): Lloyd Kahn
Subcontractor ELAP ID: 10709

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

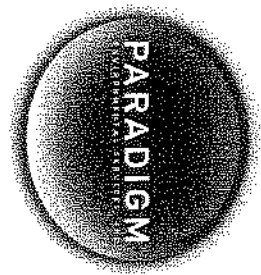
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

relog ID: 143318
1 of 2

PROJECT REFERENCE
185 Sci0 St.

CLIENT: <u>Labelle Assoc. PC</u>	REPORT TO:	CLIENT: <u>Stam E</u>	INVOICE TO:	LAB PROJECT ID: <u>143201</u>
ADDRESS: <u>900 State St</u>		ADDRESS: <u>Stam E</u>		Quotation #: <u>143201</u>
CITY: <u>Rochester, NY</u>	STATE: <u>NY</u>	CITY: <u>Stam E</u>	STATE: <u>NY</u>	
ZIP: <u>14614</u>		ZIP: <u>14614</u>		
PHONE: <u>454-6110</u>		PHONE: <u>454-6110</u>		
ATTN: <u>Dennis Porter</u>		ATTN: <u>Dennis Porter</u>		Email: <u>dporter@labellepc.com</u>

Matrix Codes: WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Waste, OK - Caulk, OL - Oil, AR - Air

DATE COLLECTED	TIME COLLECTED	C O M P O S I T I O N	G R A D E	SAMPLE IDENTIFIER	M C A O D R E I S	N O N H A Z A R D O U S	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/23/14	8:45	X		E-Wall-1 10'-11'	SO	TX		2xlog samples	01
	10:00			B-6-14'				01.05, 07, 09 for	02
	11:15			E-Wall-2 13'				TOC for a 10 day	03
	9:30			B-7-16'				TAT per client	04
7/24/14	9:45			N-Wall-4 14'				3x2 B/I	05
	14:00			B-8-13'					06
	14:15			N-Wall-N 7'-8'					07
	14:20			N-Wall-N 10'-11'					08
	14:30			E-Wall-3 10'-11'					09
									10

Turnaround Time: Standard 5 day, Rush 3 day, Rush 2 day, Rush 1 day

Report Supplements: Basic QC, Basic EDD, Category A, NYSDEC EDD, Category B, Other

Sampling By: YLG MLK Date/Time: 7/23 + 24/14

Received By: MLK Date/Time: 7/25/14 16:125

Received @ Lab By: relog Date/Time: 8/11/14 9:00pm

Total Cost:

Relos: 143312

2 of 2

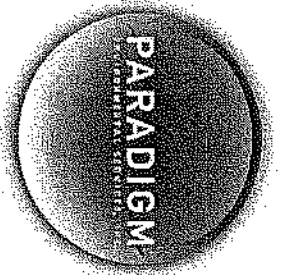


Chain of Custody Supplement

Client: LaBella Completed by: SSZ
 Lab Project ID: 143201 Date: 7/25/14

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>6°C recd</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



40805011

178 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

ADIRONDACK: ELAP ID: 10709

REPORT TO: Paradigm Environmental		INVOICE TO: Same	
COMPANY:	ADDRESS:	ADDRESS:	ADDRESS:
CITY:	STATE:	CITY:	STATE:
PHONE:	FAX:	PHONE:	FAX:
ATTN: Kate Hansen	ATTN: Meredith Dillman	LAB PROJECT #: CLIENT PROJECT #:	
COMMENTS: Please email results to khansen@paradigmenv.com and jdalola@paradigmenv.com		TURNAROUND TIME: (WORKING DAYS)	
REQUESTED ANALYSIS		Date Due:	
1		2	
3		5	
OTHER		10	

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/23/14	8:45			143312-01			Samples 0302	001
2	11:5			143312-02			holding time expires 8/6	002
3	14:15			143312-03				003
4	14:30			143312-04			Samples 0304 holding time expires 8/7	004
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE
 Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Comments: *not from house*

Preservation: Y N

Holding Time: Y N

Temperature: *4°C* Y N

Client

Sampled By: *[Signature]* Date/Time: 8/4/14 1600

Retrieved By: *[Signature]* Date/Time: 8/5/14 1024

Received @ Lab By: *[Signature]* Date/Time: 8-5-14 1024

Total Cost:

P.L.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

143201

Referencing

185 Scio St.

Prepared

Friday, August 01, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, consisting of several overlapping, slanted strokes, positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-Wall-1 10'-11'

Lab Sample ID: 143201-01

Date Sampled: 7/23/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	185	ug/Kg		7/31/2014 13:31
1,3,5-Trimethylbenzene	53.7	ug/Kg		7/31/2014 13:31
Benzene	< 10.6	ug/Kg		7/31/2014 13:31
Ethylbenzene	39.5	ug/Kg		7/31/2014 13:31
Isopropylbenzene	< 10.6	ug/Kg		7/31/2014 13:31
m,p-Xylene	154	ug/Kg		7/31/2014 13:31
Methyl tert-butyl Ether	< 10.6	ug/Kg		7/31/2014 13:31
Naphthalene	93.2	ug/Kg		7/31/2014 13:31
n-Butylbenzene	24.3	ug/Kg		7/31/2014 13:31
n-Propylbenzene	25.4	ug/Kg		7/31/2014 13:31
o-Xylene	11.9	ug/Kg		7/31/2014 13:31
p-Isopropyltoluene	< 10.6	ug/Kg		7/31/2014 13:31
sec-Butylbenzene	< 10.6	ug/Kg		7/31/2014 13:31
tert-Butylbenzene	< 10.6	ug/Kg		7/31/2014 13:31
Toluene	< 10.6	ug/Kg		7/31/2014 13:31

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15623.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B-6-14'

Lab Sample ID: 143201-02

Date Sampled: 7/23/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,2,4-Trimethylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
1,3,5-Trimethylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
Benzene	< 8.18	ug/Kg		7/30/2014 19:24
Ethylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
Isopropylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
m,p-Xylene	< 8.18	ug/Kg		7/30/2014 19:24
Methyl tert-butyl Ether	< 8.18	ug/Kg		7/30/2014 19:24
Naphthalene	23.2	ug/Kg		7/30/2014 19:24
n-Butylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
n-Propylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
o-Xylene	< 8.18	ug/Kg		7/30/2014 19:24
p-Isopropyltoluene	< 8.18	ug/Kg		7/30/2014 19:24
sec-Butylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
tert-Butylbenzene	< 8.18	ug/Kg		7/30/2014 19:24
Toluene	< 8.18	ug/Kg		7/30/2014 19:24

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x15600.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-Wall-2 13'

Lab Sample ID: 143201-03

Date Sampled: 7/23/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	913	ug/Kg		7/31/2014 15:07
1,3,5-Trimethylbenzene	282	ug/Kg		7/31/2014 15:07
Benzene	< 14.2	ug/Kg		7/31/2014 15:07
Ethylbenzene	92.6	ug/Kg		7/31/2014 15:07
Isopropylbenzene	21.1	ug/Kg		7/31/2014 15:07
m,p-Xylene	222	ug/Kg		7/31/2014 15:07
Methyl tert-butyl Ether	< 14.2	ug/Kg		7/31/2014 15:07
Naphthalene	465	ug/Kg		7/31/2014 15:07
n-Butylbenzene	121	ug/Kg		7/31/2014 15:07
n-Propylbenzene	116	ug/Kg		7/31/2014 15:07
o-Xylene	< 14.2	ug/Kg		7/31/2014 15:07
p-Isopropyltoluene	15.4	ug/Kg		7/31/2014 15:07
sec-Butylbenzene	14.4	ug/Kg		7/31/2014 15:07
tert-Butylbenzene	< 14.2	ug/Kg		7/31/2014 15:07
Toluene	< 14.2	ug/Kg		7/31/2014 15:07

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15627.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B-7-16'

Lab Sample ID: 143201-04

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	58.8	ug/Kg		7/31/2014 13:55
1,3,5-Trimethylbenzene	17.0	ug/Kg		7/31/2014 13:55
Benzene	< 7.60	ug/Kg		7/31/2014 13:55
Ethylbenzene	43.8	ug/Kg		7/31/2014 13:55
Isopropylbenzene	< 7.60	ug/Kg		7/31/2014 13:55
m,p-Xylene	167	ug/Kg		7/31/2014 13:55
Methyl tert-butyl Ether	< 7.60	ug/Kg		7/31/2014 13:55
Naphthalene	41.1	ug/Kg		7/31/2014 13:55
n-Butylbenzene	< 7.60	ug/Kg		7/31/2014 13:55
n-Propylbenzene	8.73	ug/Kg		7/31/2014 13:55
o-Xylene	8.13	ug/Kg		7/31/2014 13:55
p-Isopropyltoluene	< 7.60	ug/Kg		7/31/2014 13:55
sec-Butylbenzene	< 7.60	ug/Kg		7/31/2014 13:55
tert-Butylbenzene	< 7.60	ug/Kg		7/31/2014 13:55
Toluene	15.6	ug/Kg		7/31/2014 13:55

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15624.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: N-Wall-4 14'

Lab Sample ID: 143201-05

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	16.5	ug/Kg		7/30/2014 19:48
1,3,5-Trimethylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
Benzene	< 8.99	ug/Kg		7/30/2014 19:48
Ethylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
Isopropylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
m,p-Xylene	< 8.99	ug/Kg		7/30/2014 19:48
Methyl tert-butyl Ether	< 8.99	ug/Kg		7/30/2014 19:48
Naphthalene	< 22.5	ug/Kg		7/30/2014 19:48
n-Butylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
n-Propylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
o-Xylene	< 8.99	ug/Kg		7/30/2014 19:48
p-Isopropyltoluene	< 8.99	ug/Kg		7/30/2014 19:48
sec-Butylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
tert-Butylbenzene	< 8.99	ug/Kg		7/30/2014 19:48
Toluene	< 8.99	ug/Kg		7/30/2014 19:48

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x15601.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B-8-13'

Lab Sample ID: 143201-06

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
1,3,5-Trimethylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
Benzene	< 6.81	ug/Kg		7/31/2014 14:19
Ethylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
Isopropylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
m,p-Xylene	< 6.81	ug/Kg		7/31/2014 14:19
Methyl tert-butyl Ether	< 6.81	ug/Kg		7/31/2014 14:19
Naphthalene	< 17.0	ug/Kg		7/31/2014 14:19
n-Butylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
n-Propylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
o-Xylene	< 6.81	ug/Kg		7/31/2014 14:19
p-Isopropyltoluene	< 6.81	ug/Kg		7/31/2014 14:19
sec-Butylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
tert-Butylbenzene	< 6.81	ug/Kg		7/31/2014 14:19
Toluene	< 6.81	ug/Kg		7/31/2014 14:19

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15625.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: N-Wall-N 7'-8'

Lab Sample ID: 143201-07

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	225000	ug/Kg		8/1/2014 08:52
1,3,5-Trimethylbenzene	78000	ug/Kg		8/1/2014 08:52
Benzene	< 4160	ug/Kg		8/1/2014 08:52
Ethylbenzene	14600	ug/Kg		8/1/2014 08:52
Isopropylbenzene	8170	ug/Kg		8/1/2014 08:52
m,p-Xylene	57300	ug/Kg		8/1/2014 08:52
Methyl tert-butyl Ether	< 4160	ug/Kg		8/1/2014 08:52
Naphthalene	19200	ug/Kg		8/1/2014 08:52
n-Butylbenzene	< 4160	ug/Kg		8/1/2014 08:52
n-Propylbenzene	37500	ug/Kg		8/1/2014 08:52
o-Xylene	< 4160	ug/Kg		8/1/2014 08:52
p-Isopropyltoluene	< 4160	ug/Kg		8/1/2014 08:52
sec-Butylbenzene	< 4160	ug/Kg		8/1/2014 08:52
tert-Butylbenzene	< 4160	ug/Kg		8/1/2014 08:52
Toluene	< 4160	ug/Kg		8/1/2014 08:52

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15653.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: N-Wall-N 10'-11'

Lab Sample ID: 143201-08

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	2610	ug/Kg		7/30/2014 21:48
1,3,5-Trimethylbenzene	741	ug/Kg		7/30/2014 21:48
Benzene	< 118	ug/Kg		7/30/2014 21:48
Ethylbenzene	< 118	ug/Kg		7/30/2014 21:48
Isopropylbenzene	< 118	ug/Kg		7/30/2014 21:48
m,p-Xylene	153	ug/Kg		7/30/2014 21:48
Methyl tert-butyl Ether	< 118	ug/Kg		7/30/2014 21:48
Naphthalene	1090	ug/Kg		7/30/2014 21:48
n-Butylbenzene	582	ug/Kg		7/30/2014 21:48
n-Propylbenzene	207	ug/Kg		7/30/2014 21:48
o-Xylene	< 118	ug/Kg		7/30/2014 21:48
p-Isopropyltoluene	< 118	ug/Kg		7/30/2014 21:48
sec-Butylbenzene	< 118	ug/Kg		7/30/2014 21:48
tert-Butylbenzene	< 118	ug/Kg		7/30/2014 21:48
Toluene	< 118	ug/Kg		7/30/2014 21:48

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x15606.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-Wall-3 10'-11'

Lab Sample ID: 143201-09

Date Sampled: 7/24/2014

Matrix: Soil

Date Received: 7/25/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	66.0	ug/Kg		7/31/2014 14:43
1,3,5-Trimethylbenzene	19.1	ug/Kg		7/31/2014 14:43
Benzene	< 10.7	ug/Kg		7/31/2014 14:43
Ethylbenzene	< 10.7	ug/Kg		7/31/2014 14:43
Isopropylbenzene	< 10.7	ug/Kg		7/31/2014 14:43
m,p-Xylene	14.2	ug/Kg		7/31/2014 14:43
Methyl tert-butyl Ether	< 10.7	ug/Kg		7/31/2014 14:43
Naphthalene	133	ug/Kg		7/31/2014 14:43
n-Butylbenzene	< 10.7	ug/Kg		7/31/2014 14:43
n-Propylbenzene	< 10.7	ug/Kg		7/31/2014 14:43
o-Xylene	< 10.7	ug/Kg		7/31/2014 14:43
p-Isopropyltoluene	< 10.7	ug/Kg		7/31/2014 14:43
sec-Butylbenzene	< 10.7	ug/Kg		7/31/2014 14:43
tert-Butylbenzene	< 10.7	ug/Kg		7/31/2014 14:43
Toluene	< 10.7	ug/Kg		7/31/2014 14:43

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15626.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

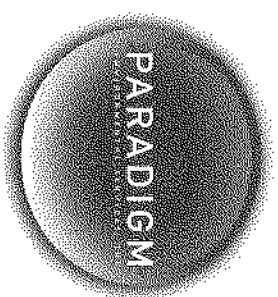
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY



PROJECT REFERENCE
185 Scio St.

CLIENT: LABELLE ASSOC. PC	REPORT TO: SAME	CLIENT: SAME	INVOICE TO: SAME	LAB PROJECT ID: 143201
ADDRESS: 300 STATE ST		ADDRESS: SAME		Quotation #: 143201
CITY: Rochester, NY	STATE: NY	CITY: Rochester, NY	STATE: NY	ZIP: 14614
PHONE: 454-6110		PHONE: 454-6110		
ATTN: Dennis Porter		ATTN: Dennis Porter		Email: dporter@labelle.com
Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	WA - Water WG - Groundwater	DW - Drinking Water WM - Wastewater	SO - Soil SL - Sludge	SD - Solid PT - Paint WP - Wipe CK - Caulk OL - Oil AR - Air

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MCADRES	CONCRETE	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/23/14	8:45		X	E-Wall-1, 10'-11'	SO	2-X			01
	10:00			B-6-14'					02
	11:15			E-Wall-2, 13'					03
	9:30			B-7-16'					04
7/24/14	9:45			N-Wall-4, 14'					05
	14:00			B-8-13'					06
	14:15			N-Wall-N, 7'-8'					07
	14:20			N-Wall-N, 10'-11'					08
	14:30			E-Wall-3, 10'-11'					09
									10

Turnaround Time	Report Supplements
Standard 5 day <input checked="" type="checkbox"/>	Basic EDD <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Samples By: KLM Date/Time: 7/23/14 9:24/14
 Total Cost:
 Requisitioned By: [Signature] Date/Time: 7/25/14 16:25
 Received By: [Signature] Date/Time: 7/25/14 10:48
 Received @ Lab By: [Signature] Date/Time: 7/25/14 10:48
 P.I.F.



Chain of Custody Supplement

Client: LaBellg

Completed by: SSL

Lab Project ID: 143201

Date: 7/25/14

Sample Condition Requirements
Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>6°C cool</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

143120

Referencing

214603, 185 Scio St, Rochester, NY

Prepared

Wednesday, July 23, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "D. Reboil", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 214603, 185 Scio St, Rochester, NY

Sample Identifier: S-Wall-1 10'

Lab Sample ID: 143120-01

Date Sampled: 7/22/2014

Matrix: Soil

Date Received: 7/22/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
1,3,5-Trimethylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
Benzene	< 8.18	ug/Kg		7/22/2014 18:52
Ethylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
Isopropylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
m,p-Xylene	< 8.18	ug/Kg		7/22/2014 18:52
Methyl tert-butyl Ether	< 8.18	ug/Kg		7/22/2014 18:52
Naphthalene	< 20.5	ug/Kg		7/22/2014 18:52
n-Butylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
n-Propylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
o-Xylene	< 8.18	ug/Kg		7/22/2014 18:52
p-Isopropyltoluene	< 8.18	ug/Kg		7/22/2014 18:52
sec-Butylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
tert-Butylbenzene	< 8.18	ug/Kg		7/22/2014 18:52
Toluene	< 8.18	ug/Kg		7/22/2014 18:52

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15314.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.
Project Reference: 214603, 185 Scio St, Rochester, NY

Sample Identifier: N-Wall-3 10'-11'
Lab Sample ID: 143120-02 **Date Sampled:** 7/22/2014
Matrix: Soil **Date Received:** 7/22/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	54.1	ug/Kg		7/22/2014 19:16
1,3,5-Trimethylbenzene	17.1	ug/Kg		7/22/2014 19:16
Benzene	12.0	ug/Kg		7/22/2014 19:16
Ethylbenzene	46.6	ug/Kg		7/22/2014 19:16
Isopropylbenzene	< 8.94	ug/Kg		7/22/2014 19:16
m,p-Xylene	97.7	ug/Kg		7/22/2014 19:16
Methyl tert-butyl Ether	< 8.94	ug/Kg		7/22/2014 19:16
Naphthalene	64.6	ug/Kg		7/22/2014 19:16
n-Butylbenzene	< 8.94	ug/Kg		7/22/2014 19:16
n-Propylbenzene	< 8.94	ug/Kg		7/22/2014 19:16
o-Xylene	19.2	ug/Kg		7/22/2014 19:16
p-Isopropyltoluene	< 8.94	ug/Kg		7/22/2014 19:16
sec-Butylbenzene	< 8.94	ug/Kg		7/22/2014 19:16
tert-Butylbenzene	< 8.94	ug/Kg		7/22/2014 19:16
Toluene	23.6	ug/Kg		7/22/2014 19:16

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15315.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 214603, 185 Scio St, Rochester, NY

Sample Identifier: S-Wall-2 10'

Lab Sample ID: 143120-03

Date Sampled: 7/22/2014

Matrix: Soil

Date Received: 7/22/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	24.3	ug/Kg		7/22/2014 19:40
1,3,5-Trimethylbenzene	< 9.59	ug/Kg		7/22/2014 19:40
Benzene	< 9.59	ug/Kg		7/22/2014 19:40
Ethylbenzene	< 9.59	ug/Kg		7/22/2014 19:40
Isopropylbenzene	< 9.59	ug/Kg		7/22/2014 19:40
m,p-Xylene	< 9.59	ug/Kg		7/22/2014 19:40
Methyl tert-butyl Ether	< 9.59	ug/Kg		7/22/2014 19:40
Naphthalene	< 24.0	ug/Kg		7/22/2014 19:40
n-Butylbenzene	< 9.59	ug/Kg		7/22/2014 19:40
n-Propylbenzene	14.8	ug/Kg		7/22/2014 19:40
o-Xylene	< 9.59	ug/Kg		7/22/2014 19:40
p-Isopropyltoluene	< 9.59	ug/Kg		7/22/2014 19:40
sec-Butylbenzene	< 9.59	ug/Kg		7/22/2014 19:40
tert-Butylbenzene	< 9.59	ug/Kg		7/22/2014 19:40
Toluene	< 9.59	ug/Kg		7/22/2014 19:40

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15316.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.



Division of SPECTRUM ANALYTICAL, INC. Featuring HANNA TECHNOLOGY

To: Paradigm Env.

14320

10/2

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT - Indicate Date Needed: 24 Hr/ASAP
All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
Samples disposed of after 30 days unless otherwise instructed.

Report To: LaBelle Assoc. Inc
300 State St
Rochester, NY 14614

Invoice To: STATE

Project No.: 214603
Site Name: 185 Scho St
Location: Rochester State: NY
Sampler(s): Kyle Miller

Project Mgr.: Dennis Foster

P.O. No.: _____
RON: _____

List preservative code below

1=Na₂SO₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=_____ 10=_____ 11=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Containers: # of VOA Vials _____
of Amber Glass _____
of Clear Glass _____
of Plastic _____

Analyses: _____
QA/QC Reporting Level
 Level I Level II
 Level III Level IV
 Other SIR

State specific reporting standards:
MSDEC CTSI

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Retinued by:	Received by:	Date:	Time:
	S-Wall-1-10'	2/22/14	9:00	G	SO	1	1	1	1	<u>Kyle Miller</u>	<u>Jensen Rose</u>	2/22/14	15:25
	N-Wall-3-10-11'		13:00	G	SO						<u>Jensen Rose</u>	2/22/14	15:30
	S-Wall-2-10'		15:00	G	SO						<u>Jensen Rose</u>	2/22/14	15:35

Condition upon receipt: Iced Ambient °C _____

E-mail to: qlac@labellepc.com
EDD Format: N/A

Received by: Jensen Rose Date: 2/22/14 Time: 15:25
Ms/yl Date: 2/22/14 Time: 15:30

2072



Chain of Custody Supplement

Client: Labela Completed by: Molly Nail
 Lab Project ID: 143120 Date: 7/22/14

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> 0035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>13°C iced started in field</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

142987

Referencing

185 Scio St.

Prepared

Thursday, July 17, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B-5 12'

Lab Sample ID: 142987-01

Date Sampled: 7/11/2014

Matrix: Soil

Date Received: 7/15/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	231	ug/Kg		7/17/2014 05:50
1,3,5-Trimethylbenzene	1170	ug/Kg		7/17/2014 05:50
Benzene	< 104	ug/Kg		7/17/2014 05:50
Ethylbenzene	< 104	ug/Kg		7/17/2014 05:50
Isopropylbenzene	< 104	ug/Kg		7/17/2014 05:50
m,p-Xylene	< 104	ug/Kg		7/17/2014 05:50
Methyl tert-butyl Ether	< 104	ug/Kg		7/17/2014 05:50
Naphthalene	< 260	ug/Kg		7/17/2014 05:50
n-Butylbenzene	< 104	ug/Kg		7/17/2014 05:50
n-Propylbenzene	< 104	ug/Kg		7/17/2014 05:50
o-Xylene	< 104	ug/Kg		7/17/2014 05:50
p-Isopropyltoluene	107	ug/Kg		7/17/2014 05:50
sec-Butylbenzene	< 104	ug/Kg		7/17/2014 05:50
tert-Butylbenzene	< 104	ug/Kg		7/17/2014 05:50
Toluene	< 104	ug/Kg		7/17/2014 05:50

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x15125.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

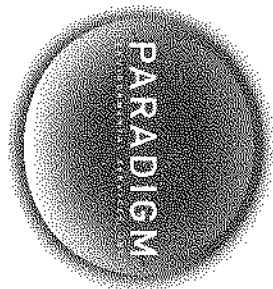
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY



PARADIGM

REPORT TO:

INVOICE TO:

LAB PROJECT ID

CLIENT:	Labella Assoc. PC	CLIENT:	Same	LAB PROJECT ID:	142987
ADDRESS:	300 State St	ADDRESS:		Quotation #:	
CITY:	Rochester, NY	CITY:		Email:	
STATE:	NY	STATE:			
ZIP:	14614	ZIP:			
PHONE:	457-16110	PHONE:			

PROJECT REFERENCE

185 SARD ST.

CLIENT:

Dennis Porter

CLIENT:

WA - Water
WG - Groundwater

DW - Drinking Water
WW - Wastewater

SO - Soil
SL - Sludge

SD - Solid
PT - Paint

WP - Wipe
CK - Caulk

OL - Oil
AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	C O M P O S I T E	G R A B	SAMPLE IDENTIFIER	M C A O T R E I S	N O N M E T A L O R F S	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/11/14	13:00	X	B-5	12'	30	I X		01

Turnaround Time	Report Supplements
Standard 5 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input checked="" type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Availability contingent upon lab approval; additional fees may apply.

Received By: Kyle Miller Date/Time: 7/11/14 13:00

Relinquished By: Stacy Davis Date/Time: 7/14/14 630am

Received By: Stacy Davis Date/Time: 7/15/14 720am

Received @ Lab By: [Signature] Date/Time: 7/15/14 720 AM

Total Cost:

P.I.F.



Chain of Custody Supplement

Client: LaBella Completed by: SSC
 Lab Project ID: 142987 Date: 7/15/14

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	<u>61</u>		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	<u>230C</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

142905

Referencing

185 Scio St

Prepared

Monday, July 14, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, appearing to read "R. G. ...", is written over a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St

Sample Identifier: W-C 11'

Lab Sample ID: 142905-01

Date Sampled: 7/9/2014

Matrix: Soil

Date Received: 7/10/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	7440	ug/Kg		7/12/2014 13:43
1,3,5-Trimethylbenzene	3530	ug/Kg		7/12/2014 13:43
Benzene	< 90.8	ug/Kg		7/12/2014 13:43
Ethylbenzene	188	ug/Kg		7/12/2014 13:43
Isopropylbenzene	192	ug/Kg		7/12/2014 13:43
m,p-Xylene	1610	ug/Kg		7/12/2014 13:43
Methyl tert-butyl Ether	< 90.8	ug/Kg		7/12/2014 13:43
Naphthalene	1740	ug/Kg		7/12/2014 13:43
n-Butylbenzene	1570	ug/Kg		7/12/2014 13:43
n-Propylbenzene	830	ug/Kg		7/12/2014 13:43
o-Xylene	< 90.8	ug/Kg		7/12/2014 13:43
p-Isopropyltoluene	340	ug/Kg		7/12/2014 13:43
sec-Butylbenzene	246	ug/Kg		7/12/2014 13:43
tert-Butylbenzene	< 90.8	ug/Kg		7/12/2014 13:43
Toluene	< 90.8	ug/Kg		7/12/2014 13:43

Surrogate outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A

Data File: x14960.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St

Sample Identifier: W-C Upper 8'-9'

Lab Sample ID: 142905-02

Date Sampled: 7/9/2014

Matrix: Soil

Date Received: 7/10/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
1,3,5-Trimethylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
Benzene	< 8.95	ug/Kg		7/12/2014 13:20
Ethylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
Isopropylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
m,p-Xylene	< 8.95	ug/Kg		7/12/2014 13:20
Methyl tert-butyl Ether	< 8.95	ug/Kg		7/12/2014 13:20
Naphthalene	< 22.4	ug/Kg		7/12/2014 13:20
n-Butylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
n-Propylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
o-Xylene	< 8.95	ug/Kg		7/12/2014 13:20
p-Isopropyltoluene	< 8.95	ug/Kg		7/12/2014 13:20
sec-Butylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
tert-Butylbenzene	< 8.95	ug/Kg		7/12/2014 13:20
Toluene	< 8.95	ug/Kg		7/12/2014 13:20

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14959.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

10/2

CHAIN OF CUSTODY



PROJECT REFERENCE
185 Scio St.

REPORT TO:

CLIENT:

LaBella Assoc. Inc
ADDRESS: *300 State St*
CITY: *Rochester, NY* STATE: *NY* ZIP: *14614*

CLIENT:

ADDRESS: *SAME*
CITY: STATE: ZIP:

INVOICE TO:

LAB PROJECT ID

Quotation #: *142905*

PHONE: *454-1010*

ATN: *Dennis Porter*

ATN:

Email: *dporter@labball.org.com*

Matrix Codes:
AQ - Aqueous Liquid
NQ - Non-Aqueous Liquid

WA - Water
WG - Groundwater

DW - Drinking Water
MW - Wastewater

SO - Soil
SL - Sludge

SD - Solid
PT - Paint

WP - Wipe
CK - Caulk

OL - Oil
AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	C M P O S I T E	G R A B	SAMPLE IDENTIFIER	M C A D T R E S	C O U N T I N G	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>7/9/14</i>	<i>13:15</i>	<i>X</i>	<i>X</i>	<i>W-C 11'</i>	<i>50</i>	<i>1</i>	<i>X</i>	<i>high PID readings 01</i>
<i>7/9/14</i>	<i>15:15</i>	<i>X</i>	<i>X</i>	<i>W-C upper 8'-9'</i>	<i>50</i>	<i>1</i>	<i>X</i>	<i>02</i>

Turnaround Time

Availability contingent upon lab approval; additional fees may apply.

Report Supplements

Standard 5 day	<input type="checkbox"/>	Batch QC	<input type="checkbox"/>	Basic EDD	<input type="checkbox"/>
Rush 3 day	<input checked="" type="checkbox"/>	Category A	<input type="checkbox"/>	NYSDEC EDD	<input type="checkbox"/>
Rush 2 day	<input type="checkbox"/>	Category B	<input type="checkbox"/>		<input type="checkbox"/>
Rush 1 day	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Other	<input type="checkbox"/>	Other	<input type="checkbox"/>	Other EDD	<input type="checkbox"/>
please indicate:					

Sampled By: *Yeh Miller*

Date/Time: *7/9/14*

Total Cost:

Relinquished By: *[Signature]*

Date/Time: *7/10/14 13:55*

Received By: *[Signature]*

Date/Time: *7/10/14 14:18*

P.L.F.

Received @ Lab by: *[Signature]*

Date/Time

2072



Chain of Custody Supplement

Client: La Bella Completed by: Moly Naid
 Lab Project ID: 142905 Date: 7/10/14

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> 9035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>2°C</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

142904

Referencing

185 Scio St

Prepared

Monday, July 14, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St

Sample Identifier: S-C 10'-11'

Lab Sample ID: 142904-01

Matrix: Soil

Date Sampled: 7/9/2014

Date Received: 7/10/2014

Volatile Organics (Petroleum)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,2,4-Trimethylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
1,3,5-Trimethylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
Benzene	< 9.59	ug/Kg		7/12/2014 12:56
Ethylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
Isopropylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
m,p-Xylene	< 9.59	ug/Kg		7/12/2014 12:56
Methyl tert-butyl Ether	< 9.59	ug/Kg		7/12/2014 12:56
Naphthalene	< 24.0	ug/Kg		7/12/2014 12:56
n-Butylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
n-Propylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
o-Xylene	< 9.59	ug/Kg		7/12/2014 12:56
p-Isopropyltoluene	< 9.59	ug/Kg		7/12/2014 12:56
sec-Butylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
tert-Butylbenzene	< 9.59	ug/Kg		7/12/2014 12:56
Toluene	< 9.59	ug/Kg		7/12/2014 12:56

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14958.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

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"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

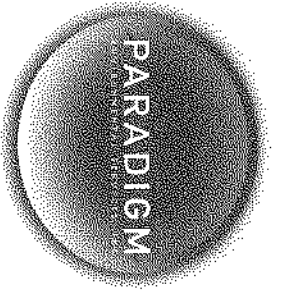
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY



PROJECT REFERENCE
185 Scob St.

CLIENT:	REPORT TO:	CLIENT:	INVOICE TO:	LAB PROJECT ID:
ADDRESS: <i>Labella Assoc. Inc</i>		ADDRESS: <i>Labella Assoc. Inc</i>		
CITY: <i>Rock</i>	STATE: <i>NY</i>	CITY: <i>Rock</i>	STATE: <i>NY</i>	Quotation #: <i>142904</i>
PHONE: <i>454-6110</i>	ZIP: <i>14614</i>	PHONE: <i>454-6110</i>	ZIP: <i>14614</i>	Email: <i>Report@labella.com</i>
Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	WA - Water WG - Groundwater	DW - Drinking Water WW - Wastewater	SO - Soil SL - Sludge	SD - Solid PT - Paint WP - Wipe CK - Caulk OL - Oil AR - Air

DATE COLLECTED	TIME COLLECTED	C O M P O S I T I O N	G R A D E	SAMPLE IDENTIFIER	M C A D R E I S	C O N T A M I N A T I O N S	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/9/14	13:00	X		S-C 10-11	SO	1-X			011

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input checked="" type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampled By: *Kyle Miller* Date/Time: *7/9/14 13:00* Total Cost:

Requested By: *[Signature]* Date/Time: *7/10/14 13:53*

Received By: *[Signature]* Date/Time: *7/10/14 13:55* P.I.F.

Received @ Lab By: *[Signature]* Date/Time: *7/10/14 14:05*

282



Chain of Custody Supplement

Client: LaBella Completed by: Molly
 Lab Project ID: 142904 Date: 7/10/14

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>5035</i>	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/> <i>20°C</i>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID
142872

Referencing

185 Scio St.

Prepared

Thursday, July 10, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: E-SEC 13'

Lab Sample ID: 142872-01

Date Sampled: 7/9/2014

Matrix: Soil

Date Received: 7/9/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	476	ug/Kg		7/9/2014 16:48
1,3,5-Trimethylbenzene	128	ug/Kg		7/9/2014 16:48
Benzene	10.6	ug/Kg		7/9/2014 16:48
Ethylbenzene	361	ug/Kg		7/9/2014 16:48
Isopropylbenzene	24.6	ug/Kg		7/9/2014 16:48
m,p-Xylene	1410	ug/Kg		7/9/2014 16:48
Methyl tert-butyl Ether	< 7.60	ug/Kg		7/9/2014 16:48
Naphthalene	129	ug/Kg		7/9/2014 16:48
n-Butylbenzene	13.4	ug/Kg		7/9/2014 16:48
n-Propylbenzene	55.3	ug/Kg		7/9/2014 16:48
o-Xylene	440	ug/Kg		7/9/2014 16:48
p-Isopropyltoluene	< 7.60	ug/Kg		7/9/2014 16:48
sec-Butylbenzene	< 7.60	ug/Kg		7/9/2014 16:48
tert-Butylbenzene	< 7.60	ug/Kg		7/9/2014 16:48
Toluene	142	ug/Kg		7/9/2014 16:48

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14816.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

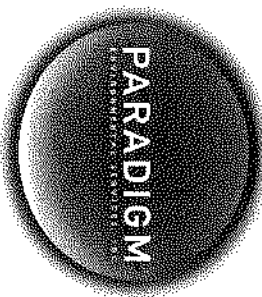
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY



PROJECT REFERENCE
185 Scio St.

CLIENT: Labella Assoc Inc	REPORT TO: Labella Assoc Inc	CLIENT: SAME	INVOICE TO: SAME	LAB PROJECT ID: 142872
ADDRESS: 300 State St	ADDRESS: 300 State St	CITY: York	STATE: NY	ZIP: 14104
CITY: York	STATE: NY	CITY: York	STATE: NY	ZIP: 14104
PHONE: 434-6116	PHONE: 434-6116	PHONE:	PHONE:	Quotation #: 142872
ATTN: Dennis Porter	ATTN: Dennis Porter	ATTN:	ATTN:	Email: dporter@labella.com
Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	Matrix Codes: WA - Water WG - Groundwater	Matrix Codes: DW - Drinking Water WW - Wastewater	Matrix Codes: SO - Soil SL - Sludge	Matrix Codes: SD - Solid PT - Paint WP - Wipe CK - Caulk OL - Oil AR - Air

DATE COLLECTED	TIME COLLECTED	C O M P O S I T E	G R A B	SAMPLE IDENTIFIER	M A C A O T R E I X	N O N M E T A L I C S	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/9/14	11:30		X	E-SEC 13		0228 0229 0230		01

Turnaround Time	Report Supplements	
Availability contingent upon lab approval; additional fees may apply.		
Standard 5 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>	Basic EDD <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>	NYSDEC EDD <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>	
Rush 1 day <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>
Other <input type="checkbox"/>	Other please indicate:	

Sampled By: Kyle Miller **Date/Time:** 7/9/14 12:14

Reinquired By: [Signature] **Date/Time:** 7/9/14 12:40

Received @ Lab By: [Signature] **Date/Time:** 7/9/14 12:54

Total Cost:

P.I.F.:

1862

202



Chain of Custody Supplement

Client: LaBella Completed by: Molly Nair
 Lab Project ID: 142872 Date: 7/9/14

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	<u>G-1</u>		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>7 soiced</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

142871

Referencing

185 Scio St.

Prepared

Thursday, July 10, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, consisting of several overlapping, slanted strokes, positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B4 14'

Lab Sample ID: 142871-01

Date Sampled: 7/9/2014

Matrix: Soil

Date Received: 7/9/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	372	ug/Kg		7/9/2014 17:36
1,3,5-Trimethylbenzene	101	ug/Kg		7/9/2014 17:36
Benzene	< 12.8	ug/Kg		7/9/2014 17:36
Ethylbenzene	477	ug/Kg		7/9/2014 17:36
Isopropylbenzene	21.8	ug/Kg		7/9/2014 17:36
m,p-Xylene	1640	ug/Kg		7/9/2014 17:36
Methyl tert-butyl Ether	< 12.8	ug/Kg		7/9/2014 17:36
Naphthalene	127	ug/Kg		7/9/2014 17:36
n-Butylbenzene	< 12.8	ug/Kg		7/9/2014 17:36
n-Propylbenzene	42.2	ug/Kg		7/9/2014 17:36
o-Xylene	656	ug/Kg		7/9/2014 17:36
p-Isopropyltoluene	< 12.8	ug/Kg		7/9/2014 17:36
sec-Butylbenzene	< 12.8	ug/Kg		7/9/2014 17:36
tert-Butylbenzene	< 12.8	ug/Kg		7/9/2014 17:36
Toluene	88.8	ug/Kg		7/9/2014 17:36

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14818.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: B3 13'

Lab Sample ID: 142871-02

Date Sampled: 7/9/2014

Matrix: Soil

Date Received: 7/9/2014

Volatile Organics (Petroleum)

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<u>Date Analyzed</u>
1,2,4-Trimethylbenzene	30.8	ug/Kg		7/9/2014 17:12
1,3,5-Trimethylbenzene	7.62	ug/Kg		7/9/2014 17:12
Benzene	< 6.69	ug/Kg		7/9/2014 17:12
Ethylbenzene	< 6.69	ug/Kg		7/9/2014 17:12
Isopropylbenzene	< 6.69	ug/Kg		7/9/2014 17:12
m,p-Xylene	22.3	ug/Kg		7/9/2014 17:12
Methyl tert-butyl Ether	< 6.69	ug/Kg		7/9/2014 17:12
Naphthalene	21.1	ug/Kg		7/9/2014 17:12
n-Butylbenzene	< 6.69	ug/Kg		7/9/2014 17:12
n-Propylbenzene	< 6.69	ug/Kg		7/9/2014 17:12
o-Xylene	< 6.69	ug/Kg		7/9/2014 17:12
p-Isopropyltoluene	< 6.69	ug/Kg		7/9/2014 17:12
sec-Butylbenzene	< 6.69	ug/Kg		7/9/2014 17:12
tert-Butylbenzene	< 6.69	ug/Kg		7/9/2014 17:12
Toluene	< 6.69	ug/Kg		7/9/2014 17:12

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14817.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

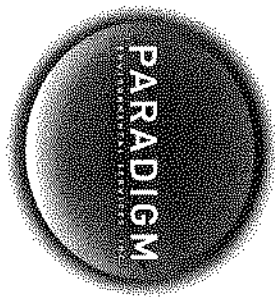
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY



PROJECT REFERENCE
185 Schro St.

CLIENT: <i>Calabria Assoc DC</i>	REPORT TO:	CLIENT: <i>SM E</i>	LAB PROJECT ID: <i>142871</i>
ADDRESS: <i>300 State St</i>		ADDRESS:	
CITY: <i>Lock</i>	STATE: <i>NY</i>	CITY:	
PHONE: <i>454 6110</i>	ZIP: <i>14614</i>	PHONE:	
ATTN:		ATTN:	

Matrix Codes:
 AQ - Aqueous Liquid
 NAQ - Non-Aqueous Liquid
 WA - Water
 WG - Groundwater
 DW - Drinking Water
 MW - Wastewater
 SO - Soil
 SL - Sludge
 SD - Solid
 PT - Paint
 WP - Wipe
 CK - Caulk
 OL - Oil
 AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	C O M P O S I T E	Q R A B	SAMPLE IDENTIFIER	M A G A D R E S	N O N M E T A L L O R F S	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>7/9/14</i>	<i>12:00</i>		<i>X</i>	<i>B4 14 1</i>		<i>CP 51 VCS 0260</i>		<i>01</i>
<i>7/9/14</i>	<i>10:30</i>		<i>X</i>	<i>B3 13</i>				<i>02</i>

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampled By: *Fyle M...* Date/Time: *7/9/14*

Reinquired By: *[Signature]* Date/Time: *7/9/14 12:40*

Received @ Lab By: *[Signature]* Date/Time: *7/9/14 12:48*

Total Cost:

PI.F.

10/2



Chain of Custody Supplement

2082

Client: LaBella Completed by: Molly Vaid
 Lab Project ID: 142871 Date: 7/9/14

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	<u>Col, G-2</u>		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>5°C</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
LaBella Associates, P.C.

For Lab Project ID

142860

Referencing

185 Scio St.

Prepared

Thursday, July 10, 2014

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

A handwritten signature in black ink, consisting of several overlapping, stylized strokes, is positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Client: LaBella Associates, P.C.

Project Reference: 185 Scio St.

Sample Identifier: SWC 10-12'

Lab Sample ID: 142860-01

Date Sampled: 7/7/2014

Matrix: Soil

Date Received: 7/8/2014

Volatile Organics (Petroleum)

Analyte	Result	Units	Qualifier	Date Analyzed
1,2,4-Trimethylbenzene	606	ug/Kg		7/9/2014 15:36
1,3,5-Trimethylbenzene	1020	ug/Kg		7/9/2014 15:36
Benzene	< 104	ug/Kg		7/9/2014 15:36
Ethylbenzene	< 104	ug/Kg		7/9/2014 15:36
Isopropylbenzene	< 104	ug/Kg		7/9/2014 15:36
m,p-Xylene	< 104	ug/Kg		7/9/2014 15:36
Methyl tert-butyl Ether	< 104	ug/Kg		7/9/2014 15:36
Naphthalene	< 260	ug/Kg		7/9/2014 15:36
n-Butylbenzene	1040	ug/Kg		7/9/2014 15:36
n-Propylbenzene	475	ug/Kg		7/9/2014 15:36
o-Xylene	< 104	ug/Kg		7/9/2014 15:36
p-Isopropyltoluene	< 104	ug/Kg		7/9/2014 15:36
sec-Butylbenzene	169	ug/Kg		7/9/2014 15:36
tert-Butylbenzene	< 104	ug/Kg		7/9/2014 15:36
Toluene	< 104	ug/Kg		7/9/2014 15:36

Method Reference(s): EPA 8260C

EPA 5035A

Data File: x14813.D

Any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

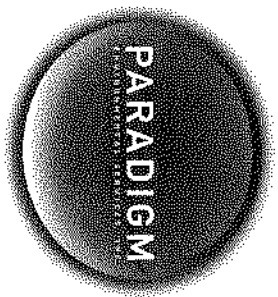
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

1 of 2

PROJECT REFERENCE
185 Scio St.

CLIENT: Labellen Assoc. DC	REPORT TO:	CLIENT: SPINE	INVOICE TO:
ADDRESS: 300 State St.		ADDRESS:	
CITY: Cocheco	STATE: NH	CITY:	STATE:
PHONE:	ZIP: 03104	PHONE:	ZIP:
ATTN: Dennis Porter	ATTN:	ATTN:	ATTN:
Matrix Codes: AQ - Aqueous Liquid MA - Non-Aqueous Liquid	WA - Water WG - Groundwater	DW - Drinking Water WW - Wastewater	SO - Soil SL - Sludge
		SD - Solid PT - Paint	WP - Wipe CK - Caulk
		OL - Oil AR - Air	

DATE COLLECTED	TIME COLLECTED	C O M P O S I T I O N	G R A B	SAMPLE IDENTIFIER	M A C A G T R I X	C O N T A I N E R S	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/7/14	11:00		X	SWC-101-121	50	1X		001

Turnaround Time	Report Supplements
Availability contingent upon lab approval; additional fees may apply.	
Standard 5 day <input type="checkbox"/>	Batch QC <input type="checkbox"/>
Rush 3 day <input type="checkbox"/>	Category A <input type="checkbox"/>
Rush 2 day <input checked="" type="checkbox"/>	Category B <input type="checkbox"/>
Rush 1 day <input type="checkbox"/>	Other <input type="checkbox"/>
Other <input type="checkbox"/>	Other EDD <input type="checkbox"/>

Sampled By: Kyle Milk	Date/Time: 7/7/14	Total Cost:
Reinquired By: [Signature]	Date/Time: 7/8/14 16:25	
Received By: [Signature]	Date/Time: 7/8/14 16:30	
Received @ Lab By: [Signature]	Date/Time: 7/8/14 17:20	P.I.F. <input type="checkbox"/>



Chain of Custody Supplement

2 of 2

Client: L. Bully Completed by: SSL
 Lab Project ID: 142859 Date: 7/8/14

Sample Condition Requirements
 Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/> EC 55L	<input checked="" type="checkbox"/> 5035	<input type="checkbox"/>
Comments	_____		
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments	_____		
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		
Temperature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	<u>6°C iced</u>		
Sufficient Sample Quantity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments	_____		

LaBELLA

LaBella Associates, D.P.C.
300 State Street
Rochester, New York 14614

Attachment 3

Site Health and Safety Plan

Location:

185 Scio Street
Rochester, New York

Prepared For:

185 Scio Street Associates, LLC
C/O Thomas F. Walsh, Esq.
Hiscock & Barclay, LLP
100 Chestnut Street
Rochester, New York 14618

LaBella Project No. 214603

January 2015

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Tables

Table 1	Exposure Limits and Recognition Qualities
----------------	--

SITE HEALTH AND SAFETY PLAN

Project Title: 185 Scio Street

Project Number: 214603

Project Location (Site): 185 Scio Street, Rochester NY

Environmental Director: Gregory Senecal, CHMM

Project Manager: Dennis Porter, CHMM

Plan Review Date: _____

Plan Approval Date: _____

Plan Approved By: _____

Site Safety Supervisor: Steve Rife

Site Contact: 185 Scio Street Associates, LLC
C/O Thomas F. Walsh, Esq.

Safety Director: Richard Rote, CIH

Proposed Date(s) of Field Activities: To Be Determined

Site Conditions: Vacant

Site Environmental Information Provided By:

- *Letter from Haley & Aldrich (H&A) dated April 15, 2009 Re: Environmental Investigations, Rural Metro Facility, 185 Scio Street*
- *Data Summary Report by Day Environmental In. (DAY) dated June 11, 2009*
- *Phase I and Limited Phase II Environmental Site Assessment by Stantec Consulting, Inc. (Stantec) dated December 20, 2010*

Air Monitoring Provided By: LaBella Associates, P.C.

Site Control Provided By: Contractor(s)

EMERGENCY CONTACTS

	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	Highland Hospital	585-473-2200
Poison Control Center:	Upstate New York Poison Control	315-464-5424
Police (local, state):	Monroe County Sheriff	911
Fire Department:	Rochester Fire Department	911
Site Contact:	185 Scio Street Associates, LLC C/O Thomas F. Walsh, Esq.	585-295-4414
Agency Contact:	NYSDEC – Mike Zamiarski	585-226-5438
Environmental Director:	Greg Senecal, CHMM	Direct: 585-295-6243
Project Manager:	Dennis Porter, CHMM	Direct: 585-295-6245
Site Safety Supervisor:	Steve Rife	Cell: 585-755-9244
Safety Director	Rick Rote, CIH	Direct: 585-295-6241

1.0 Introduction

The purpose of this Health and Safety Plan (HASP) is to provide guidelines for responding to potential health and safety issues that may be encountered during the Remedial Investigation (RI) at 185 Scio Street, Monroe County, New York (Site). This HASP only reflects the policies of LaBella Associates D.P.C. The requirements of this HASP are applicable to all approved LaBella personnel at the work site. This document's project specifications, and the Community Air Monitoring Plan (CAMP), are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any regulatory requirements of the USEPA, NYSDEC, OSHA or other regulatory bodies.

2.0 Responsibilities

This HASP presents guidelines to minimize the risk of injury to project personnel, and to provide rapid response in the event of injury. The HASP is applicable only to activities of approved LaBella personnel and their authorized visitors. The Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of LaBella employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 Activities Covered

The activities covered under this HASP are limited to the following:

- Management of environmental investigation and remediation activities
- Environmental Monitoring
- Collection of samples
- Management of excavated soil and fill

4.0 Work Area Access and Site Control

The contractor(s) will have primary responsibility for work area access and site control.

5.0 Potential Health and Safety Hazards

This section lists some potential health and safety hazards that project personnel may encounter at the project site and some actions to be implemented by approved personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change. The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times, the Site Safety Officer has responsibility for site safety and his instructions must be followed.

5.1 *Hazards Due to Heavy Machinery*

Potential Hazard:

Heavy machinery including trucks, excavators, backhoes, etc will be in operation at the site. The presence of such equipment presents the danger of being struck or crushed. Use caution when working near heavy machinery.

Protective Action:

Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A hard hat, safety glasses and steel toe shoes are required.

5.2 *Excavation Hazards*

Potential Hazard:

Excavations and trenches can collapse, causing injury or death. Edges of excavations can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches. Excavations that require working within the excavation will require air monitoring in the breathing zone (refer to Section 9.0).

Excavations left open create a fall hazard which can cause injury or death.

Protective Action:

Personnel must receive approval from the Project Manager to enter an excavation for any reason. Subsequently, approved personnel are to receive authorization for entry from the Site Safety Officer. Approved personnel are not to enter excavations over 4 feet in depth unless excavations are adequately sloped. Additional personal protective equipment may be required based on the air monitoring.

Personnel should exercise caution near all excavations at the site as it is expected that excavation sidewalls will be unstable. Do not proceed closer than 3 feet to an unsupported or non-sloped excavation side wall.

Fencing and/or barriers accompanied by "no trespassing" signs should be placed around all excavations when left open for any period of time when work is not being conducted.

5.3 *Cuts, Punctures and Other Injuries*

Potential Hazard:

In any excavation and construction work site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:

The Project Manager is responsible for making First Aid supplies available at the work site to treat minor injuries. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment is not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to the Project Manager. Serious injuries are to be reported immediately to the Site Safety Officer

5.4 *Injury Due to Exposure of Chemical Hazards*

Potential Hazards:

Contaminants identified in testing locations at the Site include various petroleum-related compounds. Volatile organic vapors, or other chemicals may be encountered during excavation activities at the project work site. Inhalation of high concentrations of volatile organic vapors can cause headache, stupor, drowsiness, confusion and other health effects. Skin contact can cause irritation, chemical burn, or dermatitis.

Protective Action:

The presence of organic vapors may be detected by their odor and by monitoring instrumentation. Approved employees will not work in environments where hazardous concentrations of organic vapors are present. Air monitoring (refer to Section 9.0) of the work area will be performed at least every 60 minutes or more often using a Photoionization Detector (PID). Personnel are to leave the work area whenever PID measurements of ambient air exceed 25 ppm consistently for a 5 minute period. In the event that sustained total volatile organic compound (VOC) readings of 25 ppm are encountered personnel should upgrade personal protective equipment to Level C (refer to Section 8.0) and an Exclusion Zone should be established around the work area to limit and monitor access to this area (refer to Section 6.0).

5.5 *Injuries due to extreme hot or cold weather conditions*

Potential Hazards:

Extreme hot weather conditions can cause heat exhaustion, heat stress and heat stroke or extreme cold weather conditions can cause hypothermia.

Protective Action:

Precaution measures should be taken such as dress appropriately for the weather conditions and drink plenty of fluid. If personnel should suffer from any of the above conditions, proper techniques should be taken to cool down or heat up the body and taken to the nearest hospital if needed.

6.0 **Work Zones**

In the event that conditions warrant establishing various work zones (i.e., based on hazards - Section 5.4), the following work zones should be established:

Exclusion Zone (EZ):

The EZ will be established in the immediate vicinity and adjacent downwind direction of site activities that elevate breathing zone VOC concentrations to unacceptable levels based on field screening. These site activities include contaminated soil excavation and soil sampling activities. If access to the site is required to accommodate non-project related personnel then an EZ will be established by constructing a barrier around the work area (yellow caution tape and/or construction fencing). The EZ barrier shall encompass the work area and any equipment staging/soil staging areas necessary to perform the associated work. The contractor(s) will be responsible for establishing the EZ and limiting access to approved personnel. Depending on the condition for establishing the EZ, access to the EZ may require adequate PPE (e.g., Level C).

Contaminant Reduction Zone (CRZ):

The CRZ will be the area where personnel entering the EZ will don proper PPE prior to entering the EZ and the area where PPE may be removed. The CRZ will also be the area where decontamination of equipment and personnel will be conducted as necessary.

7.0 Decontamination Procedures

Upon leaving the work area, approved personnel shall decontaminate footwear as needed. Under normal work conditions, detailed personal decontamination procedures will not be necessary. Work clothing may become contaminated in the event of an unexpected splash or spill or contact with a contaminated substance. Minor splashes on clothing and footwear can be rinsed with clean water. Heavily contaminated clothing should be removed if it cannot be rinsed with water. Personnel assigned to this project should be prepared with a change of clothing whenever on site.

Personnel will use the contractor’s disposal container for disposal of PPE.

8.0 Personal Protective Equipment

Generally, site conditions at this work site require level of protection of Level D or modified Level D; however, air monitoring will be conducted to determine if up-grading to Level C PPE is required (refer to Section 9.0). Descriptions of the typical safety equipment associated with Level D and Level C are provided below:

Level D:

Hard hat, safety glasses, rubber nitrile sampling gloves, steel toe construction grade boots, etc.

Level C:

Level D PPE and full or ½-face respirator and tyvek suit (if necessary). [*Note: Organic vapor cartridges are to be changed after each 8-hours of use or more frequently.*]

9.0 Air Monitoring

According to 29 CFR 1910.120(h), air monitoring shall be used to identify and quantify airborne levels of hazardous substances and health hazards in order to determine the appropriate level of employee protection required for personnel working onsite. Air monitoring will consist at a minimum of the procedure listed below. Air monitoring instruments will be calibrated and maintained in accordance with the manufacturer’s specifications.

The Air Monitor will utilize a photoionization detector (PID) to screen the ambient air in the work areas (excavation, soil staging, and soil grading areas) for total Volatile Organic Compounds (VOCs) and a DustTrak tm Model 8520 aerosol monitor or equivalent for measuring particulates. Work area ambient air will generally be monitored in the work area and downwind of the work area. Air monitoring of the work areas and downwind of the work areas will be performed at least every 60 minutes using a PID and the DustTrak meter.

If sustained PID readings of greater than 25 ppm are recorded in the breathing zone, either personnel are to leave the work area until satisfactory readings are obtained or approved personnel may re-enter the

work areas wearing at a minimum a ½ face respirator with organic vapor cartridges for an 8-hour duration (i.e., upgrade to Level C PPE). Organic vapor cartridges are to be changed after each 8-hour use or more frequently, if necessary. If PID readings are sustained, in the work area, at levels above 50 ppm for a 5 minute average, work will be stopped immediately until safe levels of VOCs are encountered or additional PPE will be required (i.e., Level B).

If downwind PID measurements reach or exceed 25 ppm consistently for a 5 minute period downwind of the work area, PID readings will be taken within the buildings (if occupied) on Site to ensure that the vapors are not penetrating any occupied building and effecting the personnel working within. If the PID measurements reach or exceed 25 ppm within the nearby buildings, the personnel should be evacuated via a route in which they would not encounter the work area. The building should then be ventilated until the PID measurements within the building are at or below background levels.

10.0 Emergency Action Plan

In the event of an emergency, employees are to turn off and shut down all powered equipment and leave the work areas immediately. Employees are to walk or drive out of the Site as quickly as possible, wait at the assigned 'safe area' and follow the instructions of the Site Safety Officer.

Employees are not authorized or trained to provide rescue and medical efforts. Rescue and medical efforts will be provided by local authorities.

11.0 Medical Surveillance

Medical surveillance will be provided to all employees who are injured due to overexposure from an emergency incident involving hazardous substances at this site.

12.0 Employee Training

Personnel who are not familiar with this site plan will receive training on its entire content and organization before working at the Site.

Individuals involved with the remedial investigation must be 40-hour OSHA HAZWOPER trained with current 8-hour refresher certification.

Table 1
Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(b)(d)	TLV-TWA (ppm)(c)(d)	STEL (ppm)(b)	LEL (%) (e)	UEL (%) (f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Acetone	750	500	NA	2.15	13.2	20,000	Sweet	4.58	9.69
Anthracene	.2	.2	NA	NA	NA	NA	Faint aromatic	NA	NA
Benzene	1	0.5	5	1.3	7.9	3000	Pleasant	8.65	9.24
Benzo (a) pyrene (coal tar pitch volatiles)	0.2	0.1	NA	NA	NA	700	NA	NA	NA
Benzo (a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (b) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (g,h,i)perylene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo (k) Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	10.88
Carbon Disulfide	20	1	NA	1.3	50	500	Odorless or strong garlic type	.096	10.07
Chlorobenzene	75	10	NA	1.3	9.6	2,400	Faint almond	0.741	9.07
Chloroform	50	2	NA	NA	NA	1,000	ethereal odor	11.7	11.42
Chrysene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethylene	200	200	NA	9.7	12.8	400	Acrid	NA	9.65
1,2-Dichlorobenzene	50	25	NA	2.2	9.2		Pleasant		9.07
Ethyl Alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100	100	NA	1.0	6.7	2,000	Ether	2.3	8.76
Fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropyl Alcohol	400	200	500	2.0	12.7	2,000	Rubbing alcohol	3	10.10
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	500	50	NA	12	23	5,000	Chloroform-like	10.2	11.35
Naphthalene	10, Skin	10	NA	0.9	5.9	250	Moth Balls	0.3	8.12
n-propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphoric Acid	1	1	3	NA	NA	10,000	NA	NA	NA
Polychlorinated Biphenyl	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium Hydroxide	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethane	NA	NA	NA	NA	NA	NA	Sweet	NA	NA
Toluene	100	100	NA	0.9	9.5	2,000	Sweet	2.1	8.82
Trichloroethylene	100	50	NA	8	12.5	1,000	Chloroform	1.36	9.45
1,2,4-Trimethylbenzene	NA	25	NA	0.9	6.4	NA	Distinct	2.4	NA
1,3,5-Trimethylbenzene	NA	25	NA	NA	NA	NA	Distinct	2.4	NA
Vinyl Chloride	1	1	NA	NA	NA	NA	NA	NA	NA
Xylenes (o,m,p)	100	100	NA	1	7	1,000	Sweet	1.1	8.56

- (a) Skin = Skin Absorption
- (b) OSHA-PEL Permissible Exposure Limit (flame weighted average, 8-hour): NIOSH Guide, June 1990
- (c) ACGIH – 8 hour time weighted average from Threshold Limit Values and Biological Exposure Indices for 2003.
- (d) Metal compounds in mg/m³
- (e) Lower Exposure Limit (%)
- (f) Upper Exposure Limit (%)
- (g) Immediately Dangerous to Life or Health Level: NIOSH Guide, June 1990.

Notes:

1. All values are given in parts per million (PPM) unless otherwise indicated.
2. Ca = Possible Human Carcinogen, no IDLH information.