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

Phase II
Environmental Site Assessment

Location:

177-185 University Avenue
Rochester, New York

Prepared for:

City of Rochester
Division of Environmental Quality
300 Church Street
Room 300 B
Rochester, New York 14614

LaBella Project No. 214683

November 2014

Relationships. Resources. Results.

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1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) was retained by the City of Rochester (the City), to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 177-185 University Avenue in the City of Rochester, Monroe County, New York, hereinafter referred to as the "Site" (see Figure 1). This Phase II ESA has been performed in conformance with the scope and limitations of ASTM Practice E 1903-11.

1.1 Special Terms & Conditions

The findings of this Phase II ESA are based on the scope of work and project objectives as stated in LaBella Proposal number P140643 dated June 18th, 2014.

1.2 Limitations & Exceptions

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

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

Due to narrow doorways and relatively low ceiling heights, access to portions of the building was limited for subsurface testing equipment. Subsurface testing was conducted in areas of the building that were accessible. The original scope of work as presented in the proposal was not achieved in the areas of the building that were not accessible. Testing locations are included on Figure 2.

2.0 BACKGROUND

2.1 Site Description & Features

The Site comprises approximately 0.77 acres of land and is developed with a 14,355 square foot multi-occupant building. The building is mainly used as an auto sales and repair shop which occupies the eastern portion. The eastern portion of the building is two stories, with the top story being vacant office space. Part of the western portion of the building which is single story, is used for a dance studio, and the rest is vacant office and storage space.

2.2 Physical Setting

The Site is located at the corner of University Avenue and Scio Street, City of Rochester, Monroe County, New York within a predominantly urban area. The Site is comprised of generally level land. School of Inquiry (Rochester City School District, School #58) is located across University Ave to the north.

2.3 Site History & Land Use

The Site was developed for residential and retail use from at least 1875 through 1961. National Ambulance and medical services occupied the Site from 1971 until the late 1990s. Rural Metro Center occupied the Site from at least 2002 until 2007. The Site is currently owned by Richmond Street LLC and is occupied by Motor Sports auto sales and repair shop. Vacant office space and a dance studio occupy the western portion of the building.

Several generations of underground storage tanks (USTs) have been installed and removed from the Site. City Fire Department records and City Building Information System (BIS) records were reviewed and summarized by LaBella in a Phase I ESA dated October 2014. Due to discrepancies in tank permits and removal records, it is unknown whether USTs are present at the Site.

2.4 Adjacent Property Use

The Site is bordered by the following properties:

Direction	Land Use
North-Northeast	School
North-Northwest	Vacant Commercial Land
East	Office Building
South	Auditorium
West	Parking Lot

2.5 Summary of Previous Studies

Two New York State Department of Environmental Conservation (NYSDEC) Spills have occurred at the Site and are summarized below:

- NYSDEC Spill #9010223 was opened on December 20th, 1990 due to a reported puddle of diesel fuel on the ground. This spill was closed the same day.
- NYSDEC Spill #9113243 was opened on March 23rd, 1992 when water was detected in a 4,000 gallons UST used to store diesel fuel. According to the spill file, the tank was to be removed on March 31, 1992 and the spill file was closed on May 21, 2003. (Additional USTs at the Site were remover under Spill #9009284).

In addition, NYSDEC Spill #9009284 was opened at 200 University Avenue (School #58) on July 4, 1990 due to reported petroleum odors in the school. As a result, Monroe County Pure Waters monitored and flushed the sewer on several occasions; product was identified in the sewer. Additional soil vapor testing was conducted in southern portions of School #58 building and as a result, a vapor extraction system (VES) was installed at the northeast corner of the Site. In addition, the NYSDEC installed two overburden and two bedrock groundwater monitoring wells in the right-of-way north of the Site across University Ave (i.e., in the sidewalk south of School #58) on December 27th- 28th, 1990. These monitoring wells are shown on Figure 2, and designated as OW-101R, OW-102R, OW-102S, OW-103R, and OW-103S. At this time, National Ambulance assumed responsibility for the spill. The spill file indicates that Haley and Aldrich (H&A) of New York installed a bedrock groundwater monitoring well at the Site on January 24th, 1991. The spill file notes “strong odors noted in split spoons near bedrock interface and sheen in drilling water during rock boring”. On January 31st, 1992, gasoline was detected in

the monitoring well at the Site. This well was not identified during this Phase II investigation. The spill file indicates that six USTs were removed from the parking lot in the northeast portion of the Site on July 21st and 22nd 1992 and product was identified on standing water in the tank excavation. A VES was installed in the tank excavation. This spill was closed on May 21, 2003.

Two monitoring wells in the right-of-way across University Avenue (OW-102R and OW-103R) and the monitoring well at the Site (OW-101R) were sampled on January 30th 1991 and summarized in a letter to the NYSDEC from H&A dated February 2nd, 1991. Groundwater sampling results are included in Table 3, attached. Total volatile organic compounds (VOCs) in the groundwater samples ranged from 1,976.6 parts per billion (ppb) to 7,476 ppb. H&A continued to monitor vapors in the school and monitor the wells for product and provided monthly and quarterly reports to the NYSDEC. Product was identified in the on-Site well on several occasions through January 1993. Product was not identified at the well on-Site from February 1993 through November 1994 when monitoring ceased. Monitoring well locations are included on Figure 2. It should be noted that during the Phase II ESA, attempts were made to locate the wells adjacent to School #58; however, it appears wells OW-102R and OW-102S have been removed or destroyed. Based on previous mapping, OW-103-R and OW0103-S were located during this Phase II ESA and sampled (refer to section5.1). The VES at School #58 was shut down on June 25th 1993 under NYSDEC approval and the VES at the Site was shut down on January 26th, 1995 under NYSDEC approval.

A Phase I ESA was conducted by LaBella in 2008 and a Phase II ESA was conducted by LaBella in 2009. LaBella conducted an additional Phase I ESA dated October 2014 which resulted in the following recognized environmental concerns (RECs):

- Identification of petroleum-impacted soil and groundwater during a Phase II ESA in 2009 in the area of the former USTs in the northeast corner of the Site.

The Phase II ESA conducted by LaBella in 2009 consisted of the advancement of twenty one (21) soil borings ranging from depths of seven to eleven feet below ground surface (bgs). The following summarizes the soil sample data:

- Petroleum-related VOCs were detected in all six samples submitted for analysis; none of which exceeded NYSDEC Part 375 Restricted Residential use Soil Cleanup Objectives (SCO); however, one location, B-16 (8.0'-11.7') in the northeast corner of the Site, identified for VOCs at levels exceeding NYSDEC Part 375 Protection of Groundwater SCOs.
- Four of eight samples analyzed for semi-volatile organic compounds (SVOCs) resulted in detections above laboratory method detection limits; none of which exceeded NYSDEC Part 375 Restricted Residential SCOs.
- Polychlorinated biphenyls (PCBs) were detected in one of five samples submitted for analysis (B-12) at levels below NYSDEC Part 375 Restricted Residential SCOs.
- All six samples analyzed for Resource Conservation and Recovery Act (RCRA) metals resulted in detections above laboratory method detection limits; none of which exceeded NYSDEC Part 375 Restricted Residential SCOs.

In addition, eight overburden groundwater monitoring wells were installed at the Site. The following summarizes the groundwater sample data:

- VOCs were detected in seven of eight samples; four of which exceeded NYSDEC Part 703

Groundwater Quality Standards (MW-1, MW-2, MW-3, and MW-5). Total VOCs in locations that exceeded NYSDEC Part 703 Groundwater Quality Standards ranged from 492.2 ppb in MW-05 to 40,090 ppb in MW-01.

- SVOCs were detected in all four samples above laboratory method detection limits; three of which exceeded NYSDEC Part 703 Groundwater Quality Standards (MW-1, MW-2, and MW-3) for naphthalene.
- One sample was analyzed for PCBs and exceeded NYSDEC Part 703 Groundwater Quality Standards (MW-3).

Test locations and findings of the Phase II ESA conducted in 2009 are depicted in Figure 2. Data summary tables from this investigation are included as Appendix 3.

3.0 OBJECTIVE

The objective of this Phase II ESA was to conduct an evaluation of subsurface conditions to further assess the presence of VOCs in soil and groundwater at the Site.

4.0 SCOPE OF WORK

To achieve the project objectives the following Scope of Work was performed:

1. Prior to conducting the Phase II ESA, a walkthrough of the building at the Site and School #58 was completed to assess for VOCs using a ppbRAE 3000. Readings were recorded intermittently throughout the buildings.
2. Prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the Site to locate utilities in the areas where the subsurface assessment would take place.
3. A direct push soil boring and sampling program of the overburden at the Site was implemented. Soil borings were advanced with a track-mounted Geoprobe® Systems Model 54LT direct-push sampling system. The use of direct-push technology allows for rapid sampling, observation, and characterization of overburden soils. The Geoprobe utilizes a 4-foot MacroCore® sampler with disposable polyethylene sleeves. Soil cores are retrieved in 4-foot sections and can be easily cut from the polyethylene sleeves for observation and sampling. The MacroCore® sampler was decontaminated between boring locations using an alconox and potable water solution. A total of 10 soil borings (LAB-SB-01, LAB-SB-02, LAB-SB-03, LAB-SB-04, LAB-SB-05, LAB-SB-07, LAB-SB-08, LAB-SB-09, LAB-SB-10, LAB-SB-11 [note that there is no LAB-SB-06]) were advanced to equipment refusal at the Site from September 17th through September 18th. Equipment refusal ranged from 2.2 to12.4 feet below ground surface (bgs). Soil boring locations are detailed on Figure 2.
4. Soils from the borings were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable VOCs with a photo-ionization detector (PID). Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.” Soil samples were collected from each of the ten test borings.
5. Four soil borings (LAB-SB-07, LAB-SB-08, LAB-SB-09, and LAB-SB-11) were converted to

temporary overburden groundwater monitoring wells. Each well was completed with 5 feet of 0.010-slot well screen connected to an appropriate length of solid PVC well riser to complete the well. The annulus was sand packed with quartz sand to a nominal depth of 1 ft above the screen section. A 1 ft bentonite seal was placed above the sand pack. Monitoring wells were completed with curb boxes.

6. Groundwater monitoring wells were developed on September 22nd by removing a minimum of five well volumes using a bailer. MW-02 was dry (i.e. no groundwater was detected using a water level meter) and was not developed. Samples were collected on September 23rd from MW-01, MW-03, and MW-04 using low flow techniques (i.e., peristaltic pump).

7. Soil and groundwater samples were placed in a cooler on ice and sent under standard chain of custody procedures to Environmental Science Corp. (ESC) in Mt. Juliet, Tennessee The following laboratory analysis was performed:

   a. Soil

Sample ID	Location	Sample Depth (feet)	Laboratory Analyses
LAB-SB-01	Dance Studio	10-10.6	- USEPA TCL and CP-51 List VOCs
LAB-SB-02	Parking Lot	9-9.4	
LAB-SB-04	Parking Lot	4.5-6	
LAB-SB-05	Auto Repair Shop	7-8	
LAB-SB-07	Parking Lot	10-10.8	
LAB-SB-08	Parking Lot	9.5-10.6	
LAB-SB-09	Parking Low	8.5-10	
LAB-SB-09	Parking Lot	11-12	
LAB-SB-11	Beecher Street	9-10.5	
LAB-SB-03	Parking Lot	1.5-2.2	-PPL Metals -CP-51 SVOCs -PCBs
LAB-SB-10	Beecher Street	9-10.1	

Note: There is no LAB-SB-06

   b. Groundwater

Sample ID	Location	Laboratory Analyses
LAB-SB-07/MW-01	Parking Lot	- USEPA TCL and CP-51 List VOCs
LAB-SB-09/MW-03	Parking Lot	
LAB-SB-11/MW-04	Beecher Street	

5.0 FINDINGS

5.1 Walkthrough of the Site Building and School #58

A walkthrough of the building at the Site and the basement on the south-facing side of School #58 (i.e., adjacent to the Site across University Ave) was conducted on August 15th. Background readings of VOCs were recorded using a PPBRAE photoionization detector (PID) throughout the buildings and penetrations to the foundation (i.e., cracks in the floor, floor drains, bore holes, etc.) were scanned and recorded by a LaBella representative. Readings in such locations did not exceed background levels in the Site building or the school. The highest reading observed in the Site building was 252 ppb and was identified in a room labeled "Danger Flammable Materials". The room was used as storage and no containers (i.e., drums, etc.) were identified. The highest reading observed in the school was 362 ppb and was identified in the basement hallway and was not attributed to a specific source. It should be noted that construction activities were taking place within the school, including the basement, at the time of the walkthrough.

During the walkthrough, groundwater monitoring wells were not identified at the Site; however, two groundwater monitoring wells were located in the right-of-way in the north adjacent sidewalk across University Ave from the Site (i.e., south adjacent sidewalk of School #58). One of the wells had a cover indicating it as an "observation well" and is presumably overburden groundwater monitoring well OW-103-S. This well was dry and could not be sampled. A well with an unidentified metal plate is presumably bedrock groundwater monitoring well OW-103-R. On September 12th, the well presumed to be OW-103-R, designated as "Found Well", was developed by purging five well volumes. On September 15th, the well was sampled using low flow (i.e., peristaltic pump) techniques. The sample was sent under chain of custody to Paradigm Environmental Services in Rochester, New York and analyzed for CP-51 and TCL VOCs. The analysis resulted in a concentration of methyl tert-butyl ether (MTBE) of 12.2 ug/L or ppb. Analytical results are included in Appendix 2.

5.2 Site Geology and Hydrology

Groundwater flow direction was determined to be in the northeast direction at the Site and was determined in 2009 from monitoring well elevations and static water levels.

Ten soil borings were advanced at the Site on September 17th and September 18th; two within the building, two in Beecher Street adjacent to the east of the Site, and six in the parking lot at the Site. The borings were advanced to equipment refusal. Terminal depths of the borings ranged from approximately 2.2-feet bgs to 12.4 feet bgs. It should be noted that LAB-SB-03 resulted in equipment refusal at 2.2 feet bgs and was off-set two additional times in proximity to the original location to collect a sample from greater depths. The additional attempts resulted in similar outcomes.

Soils at the Site consisted generally of glacial till comprised of tightly packed brown sand, sandy silts and fine to coarse gravel. Trace amounts of brick fragments were found in some of the borings, and apparent bedrock was encountered.

Four overburden groundwater monitoring wells (LAB-SB-07/MW-01, LAB-SB-08/MW-02, LAB-SB-09/MW-03, and LAB-SB-11/MW-04) were installed at the Site. The wells were completed with 5 feet of 0.01-in slotted screen below PVC risers, to total depths of 10.6 to 12.4 feet bgs. The areas surrounding the wells were filled with quartz sand. Groundwater depth was measured at depths ranging from 8.45 to 9.59 feet bgs prior to purging approximately five well volumes. It should be noted that MW-02 was dry and was not purged or sampled.

Soil boring and monitoring well locations are shown on Figure 2. Copies of the Soil Boring and Monitoring Well Logs are included in Appendix 1.

5.3 Field Screening Results

All soil cores were continuously assessed by a LaBella representative for soil type and evidence of impairment. Elevated PID readings (i.e., greater than background) were observed in two (2) of the ten (10) soil borings (LAB-SB-09 and LAB-SB-11), with the highest PID readings (21 ppm) measured in LAB-SB-09 at approximately 8.5-10 feet bgs.

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

Test Boring/Well Summary and Soil PID Readings

Test Boring ID	Well ID	Sample Interval (depth in ft)						
		0-2	2-4	4-6	6-8	8-10	10-12	12-14
LAB-SB-01	--	0.0	0.0	0.0	0.0	0.0	*0.0	--
LAB-SB-02	--	0.0	0.0	0.0	0.0	*0.0	--	--
LAB-SB-03	--	*0.0	*0.0	--	--	--	--	--
LAB-SB-04	--	0.0	0.0	*0.0	--	--	--	--
LAB-SB-05	--	0.0	0.0	0.0	*0.0	0.0	--	--
LAB-SB-07	MW-01	0.0	0.0	0.0	0.0	0.0	*0.0	--
LAB-SB-08	MW-02	0.0	0.0	0.0	0.0	*0.0	*0.0	--
LAB-SB-09	MW-03	0.0	0.0	0.0	0.0	*21.0	*0.4	0.0
LAB-SB-10	--	0.0	0.0	0.0	0.0	*0.0	*0.0	--
LAB-SB-11	MW-04	0.0	0.0	0.0	0.0	*3.6	*0.9	--

Notes:

1. *All PID readings were collected utilizing a Minirae 3000 photoionization detector and are expressed in parts per million (ppm).*
2. *The PID screening is performed as a method of determining general presence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOC presence in the soil, and are not considered to be a direct quantization of actual soil VOC concentration.*
3. *"--" denotes boring not completed to above-listed depth or insufficient recovery occurred at specified depth.*
4. *"*" denotes a soil sample was submitted for laboratory analysis from this interval.*

5.4 Laboratory Analytical Results

5.4.1 Soil

A total of twelve (12) soil samples were selected for laboratory analysis. One soil sample was selected from each of LAB-SB-01, LAB-SB-02, LAB-SB-04, LAB-SB-05, LAB-SB-07, LAB-SB-08, LAB-SB-09, and LAB-SB-011 and submitted for laboratory analysis of Target Compounds List (TCL) and CP-51 VOCs. In addition, one soil sample was collected from LAB-SB-03 and LAB-SB-10 and analyzed for SVOCs, PCBs, and Priority Pollutant (PPL) metals.

As indicated in the laboratory analytical report included in Appendix 2, targeted compounds in soil were detected above laboratory method detection limits (MDLs) in samples collected from six of ten samples for VOCs, two of two samples for metals, one of the two samples for SVOCs; PCBs were non-detect. The following summarizes soil sample results:

- VOCs were not detected above NYSDEC Part 375 SCOs for Unrestricted Use.
- One sample (LAB-SB-03) exceeded NYCRR Part 375 SCOs for Restricted Residential Use for lead at 400 ppm; however, this concentration is below Part 375 Commercial Use SCOs. It should be noted this sample was collected from 1.5 feet to 2.2 feet below ground surface where apparent fill material including wood chips, ash, and sand were observed.
- SVOCs detected did not exceed NYSDEC Part 375 Unrestricted Use SCOs.

Soil data is summarized in Table 1.

5.4.2 Groundwater

A groundwater sample was collected from MW-01, MW-03, and MW-04 on September 23rd, 2014, and submitted for laboratory analysis of TCL and CP-51 VOCs. O-Xylene was detected in MW-01 and MW-03 at 1.3 and 1.2 ppb, respectively. N-Propylbenzene was detected in MW-04 at 1.2 ppb. Concentrations of VOCs did not exceed NYSDEC Part 703 Groundwater Quality Standards. Groundwater data is summarized in Table 2.

6.0 CONCLUSIONS

LaBella was retained by the City to conduct a Phase II Environmental Site Assessment (ESA) at the property located at 177-185 University Avenue in the City of Rochester, Monroe County, New York. The Phase II ESA consisted of the advancement of ten soil borings, installation of four groundwater monitoring wells and laboratory analysis of soil and groundwater samples. This ESA was performed to evaluate the Site subsurface based on the historic uses of the Site and previously identified RECs. The major findings and conclusions are provided below:

- In areas outside the previously documented petroleum impacts (i.e., impacts identified in 2009 and shown on Figure 2):
    - All ten soil samples analyzed for VOCs and three groundwater samples analyzed for VOCs were below NYSDEC Part 375 Unrestricted Use SCOs and Part 703 Groundwater Quality Standards, respectively.
    - One of two soil samples analyzed for metals (LAB-SB-03, 1.5-2.2') identified metals (mercury, lead, and zinc) at levels exceeding NYSDEC Part 375 Unrestricted Use SCOs but below NYSDEC Part 375 Commercial Use SCOs. This sample (SB-03, 1.5-2.2') was collected from an interval with fill materials including ash and this concentration is likely due to the fill material (as opposed to petroleum impacts).
    - In two soil samples analyzed for PCBs and SVOCs, PCBs were non-detect and SVOCs were below NYSDEC Part 375 Unrestricted Use SCOs.
- Groundwater impacts across University Avenue in bedrock appear to have significantly declined since the last sampling data available (1991).
- The previous Phase II ESA findings on the estimated extent of petroleum impacts do not appear to change based on the findings of this Phase II ESA. These include an area of petroleum impacted soil and an area of petroleum impacted dissolved phase groundwater located on the northeastern portion of the Site in the location of the former USTs.
- On-Site bedrock groundwater was not assessed as a part of this Phase II ESA.

7.0 RECOMMENDATIONS

Based on the findings of this Phase II ESA and the previous Phase II ESA conducted by LaBella in 2009, remediation appears warranted for areas in the northeast portion of the Site previously identified as outlined on Figure 2. The Phase II ESA conducted in 2009 by LaBella identified petroleum impacts in the area of the former USTs (i.e., northeast corner of the Site). Three spills associated with the Site (NSYDEC Spill #9010223 and #9113243 on-Site, and Spill #9009284 at 200 University Avenue) have been closed and the petroleum impacts identified during the 2009 and 2014 investigations do not appear to be from a new spill. Based on the results of the 2014 Phase II ESA, the on-Site impacts appear to be contained to the area as previously identified in 2009. Analytical data collected during the 2014 Phase II ESA resulted in relatively low concentrations of VOCs at the Site, Beecher Street, and the north adjacent right-of-way across University Avenue. The data suggests that concentrations of petroleum-related compounds, substantial enough to warrant further investigation and/or remediation, are not migrating off-Site. It is recommended that:

- An Environmental Management Plan detailing the known locations of residual contamination and guidelines for handling such material be developed for the Site. This should include areas of petroleum impacts, fill materials, low-level PCBs, and chlorinated VOCs identified in the southeast corner of the Site adjacent to a former dry cleaner.
- Although not currently required by the NYSDEC, due to the elevated concentrations of VOCs in groundwater and some in soil in the northeast portion of the Site, remediation of these impacts is warranted. The lateral extent of impacts is generally defined on-Site; however, vertical impacts (bedrock) have not been identified. As such, installation of a bedrock groundwater monitoring well is recommended prior to determining remedial scope.

A copy of all information collected during this assessment, including maps, notes, analytical data and other material will be kept on file at the offices of LaBella Associates, D.P.C. This information is available upon request.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Report Prepared By:

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Project Manager

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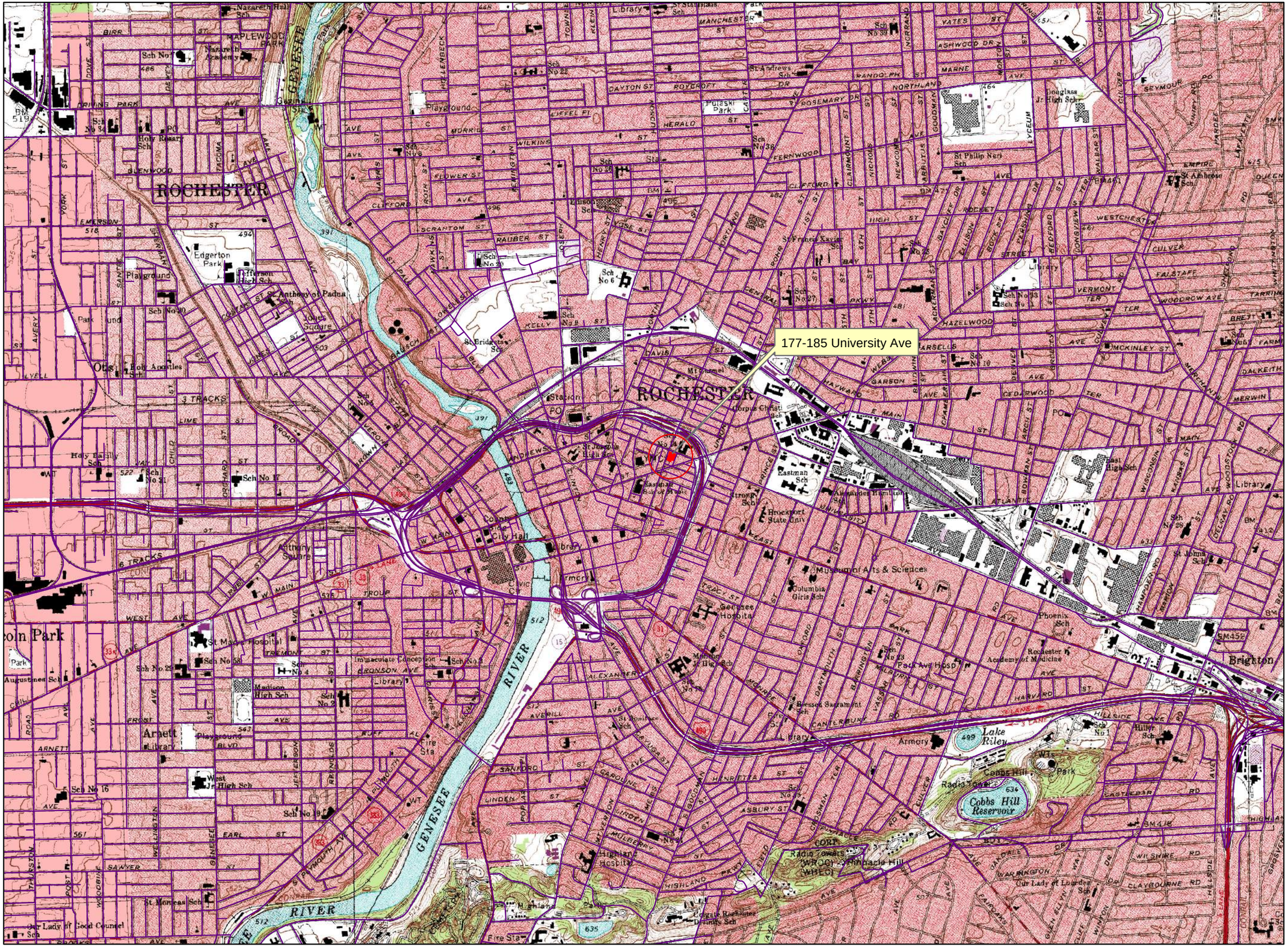
FIGURES



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CITY OF ROCHESTER

177-185 UNIVERSITY AVENUE PHASE II ESA

PROJECT LOCUS MAP

USGS TOPOGRAPHIC MAP

N
W E
S

0 2,000
Feet
1 inch = 2,000 feet

214683

FIGURE 1

Path: \\Projects2\ProjectsNZ-2\Rochester, City\214683 - 177 - 185 University Ave Phase I & II\Drawings\Figure 1.mxd

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177-185 UNIVERSITY AVENUE PHASE II ESA

Test Locations

N
W E
S

0 30 Feet

1 inch = 30 feet

214683

FIGURE 2

Path: \\Projects2\ProjectsNZ-2\Rochester, City\214683 - 177 - 185 University Ave Phase I & II\Drawings\185 University Ave Test Locations.mxd

TABLES

City of Rochester
177-185 University Avenue
Phase II Environmental Site Assessment
Table 1
Detected Compounds in Soil
9/17/2014

Soil Boring ID: / Sample Depth: / Sample Datae:	LAB-SB-01 10-10.6FT 9/17/2014	LAB-SB-02 9-9.4FT 9/17/2014	LAB-SB-03 1.5-2.2FT 9/17/2014	LAB-SB-04 4.5-6FT 9/17/2014	LAB-SB-05 7-8FT 9/17/2014	LAB-SB-07 10-10.8FT 9/18/2014	LAB-SB-08 9.5-10.6FT 9/18/2014	LAB-SB-09 7-8FT 9/18/2014	LAB-SB-09 8.5-10FT 9/18/2014	LAB-SB-09 11-12 9/18/2014	LAB-SB-10 9-10.1FT 9/18/2014	LAB-SB-11 9-10.5FT 9/18/2014	Unrestricted Use SCOs	Restricted Residential SCOs	Commercial Use SCOs
Metals															
Mercury	NS	NS	**400**	NS	NS	NS	NS	NS	NS	NS	<23	NS	180	810	2,800
Arsenic	NS	NS	6,000	NS	NS	NS	NS	NS	NS	NS	3,500	NS	13,000	16,000	16,000
Chromium	NS	NS	9,500	NS	NS	NS	NS	NS	NS	NS	5,000	NS	30000 (1)	36000 (1)	1500000 (1)
Copper	NS	NS	15,000	NS	NS	NS	NS	NS	NS	NS	5,500	NS	50,000	270,000	270,000
Lead	NS	NS	**400,000**	NS	NS	NS	NS	NS	NS	NS	11,000	NS	63,000	400,000	1,000,000
Nickel	NS	NS	7,400	NS	NS	NS	NS	NS	NS	NS	5,200	NS	30,000	310,000	310,000
Zinc	NS	NS	**160,000**	NS	NS	NS	NS	NS	NS	NS	96,000	NS	109,000	2,200,000	10,000,000
VOCs															
Benzene	2.2	2.3	NS	2.6	<1.1	<1.1	<1.2	<1.2	12	2.9	NS	<28	60	4,800	44,000
Carbon disulfide	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	2.5	<1.1	NS	<28	NA	NA	NA
Cyclohexane	4.2	5.4	NS	4.7	<1.1	<1.1	<1.2	<1.2	<19	5.7	NS	<28	NA	NA	NA
1,2-Dichlorobenzene	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	<1.2	<1.1	NS	34	1,100	100,000	500,000
Ethylbenzene	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	3.7	<1.1	NS	<28	1,000	41,000	390,000
Methyl Cyclohexane	7.3	11	NS	9.1	<1.1	<1.1	<1.2	<1.2	<19	10	NS	<28	NA	NA	NA
Toluene	<5.6	<5.6	NS	6.1	<5.6	<5.6	<5.9	<5.8	27	6.5	NS	<140	700	100,000	500,000
o-Xylene	<1.1	<1.1	NS	1.2	<1.1	<1.1	<1.2	<1.2	6.5	1.3	NS	<28	NA	NA	NA
m&p-Xylenes	2.5	3.6	NS	4.4	<2.2	<2.2	<2.4	<2.3	20	4.7	NS	<56	260	100,000	500,000
n-Butylbenzene	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	<1.2	<1.1	NS	60	12,000	100,000	500,000
sec-Butylbenzene	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	1.9	<1.1	NS	45	11,000	100,000	500,000
n-Propylbenzene	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	1.4	<1.1	NS	91	3,900	100,000	500,000
1,2,4-Trimethylbenzene	<1.1	1.2	NS	1.5	<1.1	<1.1	<1.2	<1.2	8.8	1.3	NS	<28	3,600	52,000	190,000
1,3,5-Trimethylbenzene	<1.1	<1.1	NS	<1.1	<1.1	<1.1	<1.2	<1.2	4.2	<1.1	NS	<28	8,400	52,000	190,000
Total VOCs	16.2	23.5	NS	29.6	ND	ND	ND	ND	88	32.4	NS	230	NA	NA	NA
SVOCs															
Fluoranthene	NS	NS	530	NS	NS	NS	NS	NS	NS	NS	<37	NS	100,000	100,000	500,000

Notes:
Concentrations in microgram per kilogram (ug/kg) or parts per billion (ppb)
"<" indicates the compound was non-detect above laboratory method detection limits, with the detection limit shown
"NS" indicates Not Sampled for the indicated parameter
"NA" Indicates Not Applicable
"ND" Indicates Non-Detect above laboratory method detection limits
Total VOCs indicates the sum of all VOCs detected
Bold Indicates exceeded 6 New York Codes Rules and Regulations (NYCRR) Part 375 Soil Cleanup Objectives (SCOs) for Unrestricted Us
Bold and underlined Indicates exceeded 6 NYCRR Part 375 SCOs for Restricted Residential Use
Bold and underlined and highlighted Indicates exceeded 6 NYCRR Part 375 SCOs for Commercial Use
(1) Vlaues shown for chromium are trivalent chromium

City of Rochester
177-185 University Avenue
Phase II Environmental Site Assessment
Table 2
Detected Compounds in Groundwater
9/23/2014

Monitoring Well ID:	**MW-01**	**MW-03**	**MW-04**	**Part 703 Groundwater Quality Standards**
Sample Date:	**9/23/2014**	**9/23/2014**	**9/23/2014**	
VOCs				
o-Xylene	1.3	1.2	<0.0010	5
n-Propylbenzene	<0.0010	<0.0010	1.2	5
1,2,4-Trimethylbenzene	0.0012	<0.0010	<0.0010	5
Total VOCs	1.3	1.2	1.2	NA

Notes:
Concentrations in microgram per liter (ug/L) or parts per billion (ppb)
NA indicates Not Applicable
"<" indicates the compound was not detected within laboratory method detection limits, with the detection limit shown
Bold indicates a concentration exceeding New York State Department of Environmental Conservation (NYSDEC) Part 703 Groundwater Quality Standards June 1998

City of Rochester
177-185 University Avenue
Phase II Environmental Site Assessment
Table 3
Historic Detected Compounds in Groundwater
1/30/1991

Monitoring Well ID:	**OW-101-R**	**OW-102-R**	**OW-103-R**	
Sample Date:	**1/30/1991**	**1/30/1991**	**1/30/1991**	**Part 703 Groundwater Quality Standards**
VOCs				
Benzene	**811**	**1400**	**46.6**	1
Toluene	**363**	**475**	ND	5
Ethylbenzene	**345**	ND	ND	5
Total Xylene (o,m,p)	**833**	**604**	ND	5
Methyl-tert-butyl-ether	**1510**	**5000**	**1930**	10
Total VOCs	3862	7479	1976.6	NA

Notes:
Concentrations in microgram per liter (ug/L) or parts per billion (ppb)
NA indicates Not Applicable
"<" indicates the compound was not detected within laboratory method detection limits, with the detection limit shown
Bold indicates a concentration exceeding New York State Department of Environmental Conservation (NYSDEC) Part 703 Groundwater Quality Standards June 1998

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APPENDIX 1

Field Logs

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-01**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/17/2014 END DATE 9/17/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 40%		Brown coarse GRAVEL and SAND, trace brick fragments, moist	0	
2					0	
			3'	Light brown fine SILTY SAND, trace fine GRAVEL, moist		
4	4-8'	2 60%			0	
6					0	Sample 7-8' @ 11:30
8	8-10.6'	3 60%	8.5'	Light brown SILTY fine SAND, trace gravel, moist	0	
10			10'	…trace ash	0	Sample 10-10.6 @ 11:50
				Refusal @ 10.6'		
12						
14						
16						

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

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-02**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/17/2014 END DATE 9/17/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 80%	0.5'	Black/grey ASPHALT and GRAVEL Brown SILTY SAND, some coarse GRAVEL, moist	0	
2					0	
4	4-8'	2 70%	4'	Light brown fine SILTY SAND, trace fine GRAVEL, moist	0	
6					0	
						Sample 7-8' @ 12:40
8	8-9.4'	3 40%			0	Sample 9-9.4' @ 1300
				Refusal @ 9.4'		
10						
12						
14						
16						

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

GENERAL NOTES

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

LABELLA Associates, P.C.	PROJECT	BORING: LAB-SB-03
300 STATE STREET, ROCHESTER, NY	City of Rochester	SHEET 1 OF 1
ENVIRONMENTAL ENGINEERING CONSULTANTS	185 University Ave	JOB: 214683
	Phase II ESA	CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/17/2014 END DATE 9/17/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2.2'	1 50%	0.3'	Black/grey ASPHALT and GRAVEL Brown SILTY SAND and coarse GRAVEL, moist	0	
			1.5'	Black WOODCHIPS, ASH, SAND, moist		Sample 1.5-2.2' @ 14:15
2				Refusal @2.2'	0	Offset in two additional locations, maximum refusal depth @ 2.3'
4						
6						
8						
10						
12						
14						
16						

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

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-02**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/17/2014 END DATE 9/17/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 60%	0.5'	Black/grey ASPHALT and GRAVEL Brown SILTY SAND, and fine GRAVEL, moist	0	
2			2'	Grey SILTY SAND, moist	0	
			3'	Light brown SILTY fine SAND, mosit		
4	4-6.2'	2 70%	4'	...black staining	0	Sample 4.5-6.0' @ 14:40
6				...Rock fragments Refusal @ 6.2'	0	
8						
10						
12						
14						
16						

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

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-05**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/17/2014 END DATE 9/17/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 80%	0.5'	Concrete Brown/grey coarse GRAVEL and SAND	0	
			1'	Brown SILTY SAND, trace fine GRAVEL, moist		
2					0	
4	4-8'	2 80%			0	
6					0	
						Sample 7-8' @ 15:30
8	8-9.0'	3 20%			0	
				Refusal @ 9.0'		
10						
12						
14						
16						

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

GENERAL NOTES

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

LABELLA Associates, P.C.	PROJECT	BORING: LAB-SB-07/MW-01
300 STATE STREET, ROCHESTER, NY	City of Rochester	SHEET 1 OF 1
ENVIRONMENTAL ENGINEERING CONSULTANTS	185 University Ave	JOB: 214683
	Phase II ESA	CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/18/2014 END DATE 9/18/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 70%		Black/grey/brown ASPHALT, coarse GRAVEL, trace BRICK	0	
			1.5'	Brown coarse SAND and fine GRAVEL, moist		
2			2'	Light brown SILTY fine SAND and coarse GRAVEL, moist	0	
4	4-8'	2 60%			0	
6					0	Sample 7-8' @ 9:30
8	8-10.8'	3 60%			0	
10			10.5'	…sandy seam (light brown coarse SAND) at 10.5-10.6'	0	Sample 10-10.8 @ 9:40
				Refusal @ 10.8'		
12						
14						
16						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	1" MONITORING WELL INSTALLED, 5' SCREEN
			10.8'	10.8'		

GENERAL NOTES

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

LABELLA Associates, P.C.	PROJECT	BORING: LAB-SB-08/MW-02
300 STATE STREET, ROCHESTER, NY	City of Rochester	SHEET 1 OF 1
ENVIRONMENTAL ENGINEERING CONSULTANTS	185 University Ave	JOB: 214683
	Phase II ESA	CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/18/2014 END DATE 9/18/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 60%		Black/grey ASPHALT, coarse GRAVEL	0	
			1'	Brown coarse SAND and coarse and fine GRAVEL, moist		
2			2'	Brown SITY fine SAND, some medium GRAVEL	0	
4	4-8'	2 60%	4'	…black staining 4-6'	0	Sample 4-6' @ 10:00
6					0	
8	8-10.6'	3 60%			0	
10					0	Sample 9.5-10.6 @ 10:20
				Refusal @ 10.6'		
12						
14						
16						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	1" MONITORING WELL INSTALLED, 5' SCREEN
			10.6'	10.6'		

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-09/MW-03**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/18/2014 END DATE 9/18/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 60%		Black/grey ASPHALT, coarse GRAVEL	0	
			1'	Light brown SILTY SAND, trace fine GRAVEL, moist		
2					0	
4	4-8'	2 60%	2'	Light brown SILTY SAND, some coarse and fine GRAVEL, moist	0	
6			6'	…trace rock fragments	0	
						Sample 7-8' @ 11:50
8	8-12'	3 50%			0	
				…black staining and petroleum odors @ 8.5-11'	21	Sample 8.5-10' @ 12:10
10				…water @ 10'	0.4	
						Sample 11-12' @ 12:20
12	12-12.4'	4% 50%			0.4	
				Refusal @ 12.4'		
14						
16						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			12.4'	12.4'	10'

NOTES:
1" MONITORING WELL INSTALLED, 5' SCREEN

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-10**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/18/2014 END DATE 9/18/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 50%		Black/grey ASPHALT, coarse GRAVEL	0	
			0.5'	Black coarse and fine GRAVEL and ASH, moist		
2			2'	Brown SITY SAND, trace fine GRAVEL	0	
				…black staining @ 3-3.5'		
4	4-8'	2 50%			0	Sample 5-6' @ 13:50
				… black staining @ 5-5.5'		
6					0	
8	8-10.1'	3 50%			0	
10					0	Sample 9.0-10.1 @ 14:00
				Refusal @ 10.1'		
12						
14						
16						

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

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
City of Rochester
185 University Ave
Phase II ESA

BORING: **LAB-SB-11/MW-04**
SHEET 1 OF 1
JOB: **214683**
CHKD BY:

CONTRACTOR: LaBella Env. LLC
DRILLER: S. Rife
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION:
GROUND SURFACE ELEVATION
START DATE: 9/18/2014 END DATE 9/18/2014

DATUM:

TYPE OF DRILL RIG: Geoprobe
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Macro core

DRIVE SAMPLER TYPE: Direct Push
INSIDE DIAMETR: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4'	1 40%		Black/grey ASPHALT, coarse GRAVEL	0	
			0.5'	Black coarse and fine GRAVEL and SAND, moist		
2					0	
4	4-8'	2 70%			0	
6			6'	Light brown SILTY fine SAND, trace fine GRAVEL, moist	0	
						Sample 7-8' @ 14:40
8	8-10.9'	3 50%			0	
					1.8	
			9'	Brown/grey SILTY SAND and coarse GRAVEL, mosit petroleum odors and staining @ 9-10'	3.6	
10					0.9	Sample 9.0-10.5 @ 15:00
				Refusal @ 10.9'		
12						
14						
16						

WATER LEVEL DATA			DEPTH (FT)		
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
			10.9'	10.9'	

NOTES:
1" MONITORING WELL INSTALLED, 5' SCREEN

GENERAL NOTES

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

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: **MW-01**

Project Name: 185 University Ave
Location: 185 University Ave Rochester
Project No.: 214683
Sampled By: A. Aquilina
Date: 9/23/14
Weather: Sunny 70 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 1”
Depth of Well: 10.85’
Measuring Point: Top of PVC
Pump Type: Peristaltic

Static Water Level: 9.91’
Length of Well Screen: 5’
Depth to Top of Pump: 10.5’
Tubing Type: LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (ml/min)	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water (feet)	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
1020	80	0.01	7.53	16.1	3.48	103.9	29.7	-67.2	10.81	Slowed pump speed and lowered pump
1025	60	0.02	7.66	16.0	3.64	208	68.1	-54.7	10.82	Stopped pump
1040	60	0.03	7.72	15.8	3.82	242	74.1	-33.9	10.79	Resumed at 1040
1055									10.74	Stopped pump
1100									10.82	Sampled at 1100

Total 0.03 Gallons Purged

Purge Time Start: 1020
Purge Time End: 1040
Final Static Water Level: 10.82

OBSERVATIONS

Notes:

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: **MW-03**

Project Name: 185 University Ave
Location: 185 University Ave Rochester
Project No.: 214683
Sampled By: A. Aquilina
Date: 9/23/14
Weather: Sunny 70 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 1”
Depth of Well: 11.95’
Measuring Point: Top of PVC
Pump Type: Peristaltic

Static Water Level: 8.49’
Length of Well Screen: 5’
Depth to Top of Pump: 11’
Tubing Type: LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (ml/min)	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
1255	80	0.01	7.25	20.4	2.31	148	18.6	4.0	8.52	
1300	50	0.02	7.17	21.1	2.82	NA	39.1	-21.1	9.92	
1305	50	0.03	7.18	21.2	2.95	182	42.1	-27.4	10.81	
1310	50	0.04	7.20	21.4	3.20	77	46.6	-27.6	11.02	Sampled at 1310

Total 0.04 Gallons Purged

Purge Time Start: 1255 Purge Time End: 1310 Final Static Water Level: 11.02

OBSERVATIONS

Notes:

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: **MW-04**

Project Name: 185 University Ave
Location: 185 University Ave Rochester
Project No.: 214683
Sampled By: B. Aquilina
Date: 9/23/14
Weather: Sunny 70 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 1”
Depth of Well: 10.7
Measuring Point: Top of PVC
Pump Type: Peristaltic

Static Water Level: 8.05
Length of Well Screen: 5’
Depth to Top of Pump: 10’
Tubing Type: LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (ml/min)	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
1310	80	0.01	7.64	19.5	1.98	639	36.7	-31.6	9.55	
1335	80	0.02	7.50	19.6	2.20	NA	32.6	-41.6	10.50	Stopped pump
1340	80	0.03	7.63	20.3	2.43	NS	38.2	-38.4	10.51	Resume
1355									10.21	Sampled at 1355

Total 0.03 Gallons Purged

Purge Time Start: 1330 Purge Time End: 1355 Final Static Water Level: 10.21

OBSERVATIONS

Notes:

LABELLA Associates, P.C.
300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: **FOUND WELL**

Project Name: 185 University Ave
Location: 185 University Ave Rochester
Project No.: 214683
Sampled By: A. Aquilina
Date: 9/15/2014
Weather: Sunny 70 degrees F

WELL SAMPLING INFORMATION

Well Diameter: 2”
Depth of Well: 19.90
Measuring Point: Top of PVC
Pump Type: Peristaltic

Static Water Level: 11.19
Length of Well Screen:
Depth to Top of Pump: 16’
Tubing Type: LDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate (ml/min)	Gallons Purged	pH	Temp °C	Conductivity (µS/cm)	Turbidity (NTU)	Dissolved O_2 (mg/L)	Redox (mV)	Depth to Water	Comments
			+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
0950	120	0.02	7.36	18.1	9.11	0.63	0.68	-110.6	11.35	
0955	120	0.05	7.34	18.0	8.14	2.25	0.19	-122.3	11.55	
1000	120	0.10	7.35	18.0	8.14	1.16	0.17	-123.4	11.55	Sampled at 1010

Total 0.10 Gallons Purged

Purge Time Start: 0950 Purge Time End: 1000 Final Static Water Level: 11.55

OBSERVATIONS

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

APPENDIX 2

Laboratory Report

PARADIGM

Analytical Report For

LaBella Associates, P.C.

For Lab Project ID

144023

Referencing

185 University, 214683

Prepared

Thursday, September 18, 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.

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 144023

Client: LaBella Associates, P.C.

Project Reference: 185 University, 214683

Sample Identifier: Found Well, Project #214683
Lab Sample ID: 144023-01 **Date Sampled:** 9/15/2014
Matrix: Groundwater **Date Received:** 9/15/2014

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed	
1,1,1-Trichloroethane	< 2.00	ug/L		9/15/2014	15:36
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		9/15/2014	15:36
1,1,2-Trichloroethane	< 2.00	ug/L		9/15/2014	15:36
1,1-Dichloroethane	< 2.00	ug/L		9/15/2014	15:36
1,1-Dichloroethene	< 2.00	ug/L		9/15/2014	15:36
1,2,3-Trichlorobenzene	< 5.00	ug/L		9/15/2014	15:36
1,2,4-Trichlorobenzene	< 5.00	ug/L		9/15/2014	15:36
1,2,4-Trimethylbenzene	< 2.00	ug/L		9/15/2014	15:36
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		9/15/2014	15:36
1,2-Dibromoethane	< 2.00	ug/L		9/15/2014	15:36
1,2-Dichlorobenzene	< 2.00	ug/L		9/15/2014	15:36
1,2-Dichloroethane	< 2.00	ug/L		9/15/2014	15:36
1,2-Dichloropropane	< 2.00	ug/L		9/15/2014	15:36
1,3,5-Trimethylbenzene	< 2.00	ug/L		9/15/2014	15:36
1,3-Dichlorobenzene	< 2.00	ug/L		9/15/2014	15:36
1,4-Dichlorobenzene	< 2.00	ug/L		9/15/2014	15:36
1,4-dioxane	< 20.0	ug/L		9/15/2014	15:36
2-Butanone	< 10.0	ug/L		9/15/2014	15:36
2-Hexanone	< 5.00	ug/L		9/15/2014	15:36
4-Methyl-2-pentanone	< 5.00	ug/L		9/15/2014	15:36
Acetone	< 10.0	ug/L		9/15/2014	15:36
Benzene	< 0.700	ug/L		9/15/2014	15:36
Bromochloromethane	< 5.00	ug/L		9/15/2014	15:36
Bromodichloromethane	< 2.00	ug/L		9/15/2014	15:36
Bromoform	< 5.00	ug/L		9/15/2014	15:36
Bromomethane	< 2.00	ug/L		9/15/2014	15:36

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.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 144023

Client: LaBella Associates, P.C.

Project Reference: 185 University, 214683

Sample Identifier: Found Well, Project #214683

Lab Sample ID: 144023-01 **Date Sampled:** 9/15/2014

Matrix: Groundwater **Date Received:** 9/15/2014

Carbon disulfide	< 2.00	ug/L	9/15/2014	15:36
Carbon Tetrachloride	< 2.00	ug/L	9/15/2014	15:36
Chlorobenzene	< 2.00	ug/L	9/15/2014	15:36
Chloroethane	< 2.00	ug/L	9/15/2014	15:36
Chloroform	< 2.00	ug/L	9/15/2014	15:36
Chloromethane	< 2.00	ug/L	9/15/2014	15:36
cis-1,2-Dichloroethene	< 2.00	ug/L	9/15/2014	15:36
cis-1,3-Dichloropropene	< 2.00	ug/L	9/15/2014	15:36
Cyclohexane	< 10.0	ug/L	9/15/2014	15:36
Dibromochloromethane	< 2.00	ug/L	9/15/2014	15:36
Dichlorodifluoromethane	< 2.00	ug/L	9/15/2014	15:36
Ethylbenzene	< 2.00	ug/L	9/15/2014	15:36
Freon 113	< 2.00	ug/L	9/15/2014	15:36
Isopropylbenzene	< 2.00	ug/L	9/15/2014	15:36
m,p-Xylene	< 2.00	ug/L	9/15/2014	15:36
Methyl acetate	< 2.00	ug/L	9/15/2014	15:36
Methyl tert-butyl Ether	**12.2**	ug/L	9/15/2014	15:36
Methylcyclohexane	< 2.00	ug/L	9/15/2014	15:36
Methylene chloride	< 5.00	ug/L	9/15/2014	15:36
Naphthalene	< 5.00	ug/L	9/15/2014	15:36
n-Butylbenzene	< 2.00	ug/L	9/15/2014	15:36
n-Propylbenzene	< 2.00	ug/L	9/15/2014	15:36
o-Xylene	< 2.00	ug/L	9/15/2014	15:36
p-Isopropyltoluene	< 2.00	ug/L	9/15/2014	15:36
sec-Butylbenzene	< 2.00	ug/L	9/15/2014	15:36
Styrene	< 5.00	ug/L	9/15/2014	15:36
tert-Butylbenzene	< 2.00	ug/L	9/15/2014	15:36
Tetrachloroethene	< 2.00	ug/L	9/15/2014	15:36

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PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 144023

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

Project Reference: 185 University, 214683

Sample Identifier: Found Well, Project #214683

Lab Sample ID: 144023-01 **Date Sampled:** 9/15/2014

Matrix: Groundwater **Date Received:** 9/15/2014

Toluene	< 2.00	ug/L	9/15/2014	15:36
trans-1,2-Dichloroethene	< 2.00	ug/L	9/15/2014	15:36
trans-1,3-Dichloropropene	< 2.00	ug/L	9/15/2014	15:36
Trichloroethene	< 2.00	ug/L	9/15/2014	15:36
Trichlorofluoromethane	< 2.00	ug/L	9/15/2014	15:36
Vinyl chloride	< 2.00	ug/L	9/15/2014	15:36

Method Reference(s): EPA 8260C
EPA 5030

Data File: x16829.D

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.

Report Prepared Thursday, September 18, 2014

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.
"Non-ELAP Certifiable" = ELAP does not offer this parameter for approval as part of their laboratory certification program.*

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

CHAIN OF CUSTODY

PARADIGM ENVIRONMENTAL SERVICES, INC.

REPORT TO:
COMPANY: LaBella Associates
ADDRESS: 300 State St
CITY: Rochester STATE: NY ZIP: 14620
PHONE: 295-6611 FAX:
ATTN: D Noll, D Porter

INVOICE TO:
COMPANY: Same
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN: mclausen

LAB PROJECT #: 144023
CLIENT PROJECT #: 214603 and ~~214683~~
TURNAROUND TIME: (WORKING DAYS) 214683 214603
STD OTHER
[X] 1 [ ] 2 [ ] 3 [X] 5 [ ]
Quotation #

PROJECT NAME/SITE NAME: ~~185 Seth~~ 185 University

COMMENTS: Email: dnoll, dporter, aaquilina@labellapc.com

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER OF CONTAINERS	CP-51 VOC	TCL VOC									REMARKS	PARADIGM LAB SAMPLE NUMBER				
1	9/15/14	1010		✓	Found Well	GW	2	x	x									Proj # 214683				01	1
2	~~9/15/14~~	~~1100~~		✓	~~LAB-MW-01~~	~~GW~~	~~2~~	~~x~~	~~x~~									~~Proj # 214603~~				~~01~~	~~2~~
3	~~9/15/14~~	~~1125~~		✓	~~LAB-MW-02~~	~~GW~~	~~2~~	~~x~~	~~x~~									~~"~~				~~02~~	~~3~~
4																							
5					Samples from project #																		
6					214603 now on lab																		
7					project #144053																		
8					per AA																		
9					KLS 9/17/14																		
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:		
Preservation:	Y [ ]	N [ ]
Comments:		
Holding Time:	Y [ ]	N [ ]
Comments:		
Temperature:	Y [X]	N [ ]
Comments: 18°C iced, started in field		

Ann Aquilina	9/15/14 11:25	Total Cost:
Sampled By	Date/Time	
Ann Aquilina	9/15/14 11:55	
Relinquished By	Date/Time	
[signature]	9/15/14 11:55 AM	P.I.F.
Received By	Date/Time	
	9/15/14 1200	
Received @ Lab By	Date/Time	

Chain of Custody Supplement

Client: LaBella **Completed by:** Kyle Sumnicht

Lab Project ID: 144023 **Date:** 9/15/14

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	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)	X		
Comments			
Preservation			X
Comments	vials unmatched, see VOA, didn't open, run w/in HT		
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	18°C iced, started in field		
Sufficient Sample Quantity	X		
Comments			

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Tax I.D. 62-0814289

Est. 1970

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

Report Summary

Tuesday September 30, 2014

Report Number: L722958
Samples Received: 09/20/14
Client Project: 214683

Description: City of Rochester

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Alan Harvill

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-01

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-01-10-10.6FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 11:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.1		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260C	09/23/14	1
Benzene	2.2	1.1	ug/kg		8260C	09/23/14	1
Bromochloromethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Bromodichloromethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Bromoform	BDL	1.1	ug/kg		8260C	09/23/14	1
Bromomethane	BDL	5.6	ug/kg		8260C	09/23/14	1
Carbon disulfide	BDL	1.1	ug/kg		8260C	09/23/14	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260C	09/23/14	1
Chlorobenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Chloroethane	BDL	5.6	ug/kg		8260C	09/23/14	1
Chloroform	BDL	5.6	ug/kg		8260C	09/23/14	1
Chloromethane	BDL	2.8	ug/kg		8260C	09/23/14	1
Cyclohexane	4.2	1.1	ug/kg		8260C	09/23/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260C	09/23/14	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260C	09/23/14	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260C	09/23/14	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260C	09/23/14	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260C	09/23/14	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/23/14	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260C	09/23/14	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/23/14	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/23/14	1
Ethylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
2-Hexanone	BDL	11.	ug/kg		8260C	09/23/14	1
Isopropylbenzene	BDL	11.	ug/kg		8260C	09/23/14	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260C	09/23/14	1
Methyl Acetate	BDL	22.	ug/kg		8260C	09/23/14	1
Methyl Cyclohexane	7.3	1.1	ug/kg		8260C	09/23/14	1
Methylene Chloride	BDL	5.6	ug/kg		8260C	09/23/14	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260C	09/23/14	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260C	09/23/14	1
Naphthalene	BDL	5.6	ug/kg		8260C	09/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-01

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-01-10-10.6FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 11:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Tetrachloroethene	BDL	1.1	ug/kg		8260C	09/23/14	1
Toluene	BDL	5.6	ug/kg		8260C	09/23/14	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260C	09/23/14	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Trichloroethene	BDL	1.1	ug/kg		8260C	09/23/14	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260C	09/23/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260C	09/23/14	1
Vinyl chloride	BDL	1.1	ug/kg		8260C	09/23/14	1
o-Xylene	BDL	1.1	ug/kg		8260C	09/23/14	1
m&p-Xylenes	2.5	2.2	ug/kg		8260C	09/23/14	1
n-Butylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260C	09/23/14	1
n-Propylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/23/14	1
Surrogate Recovery							
Toluene-d8	109.		% Rec.		8260C	09/23/14	1
Dibromofluoromethane	109.		% Rec.		8260C	09/23/14	1
a,a,a-Trifluorotoluene	104.		% Rec.		8260C	09/23/14	1
4-Bromofluorobenzene	100.		% Rec.		8260C	09/23/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-02

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-002-9-9.4FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 13:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.4		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260C	09/24/14	1
Benzene	2.3	1.1	ug/kg		8260C	09/24/14	1
Bromochloromethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Bromodichloromethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Bromoform	BDL	1.1	ug/kg		8260C	09/24/14	1
Bromomethane	BDL	5.6	ug/kg		8260C	09/24/14	1
Carbon disulfide	BDL	1.1	ug/kg		8260C	09/24/14	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260C	09/24/14	1
Chlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Chloroethane	BDL	5.6	ug/kg		8260C	09/24/14	1
Chloroform	BDL	5.6	ug/kg		8260C	09/24/14	1
Chloromethane	BDL	2.8	ug/kg		8260C	09/24/14	1
Cyclohexane	5.4	1.1	ug/kg		8260C	09/24/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260C	09/24/14	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260C	09/24/14	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260C	09/24/14	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/24/14	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/24/14	1
Ethylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
2-Hexanone	BDL	11.	ug/kg		8260C	09/24/14	1
Isopropylbenzene	BDL	11.	ug/kg		8260C	09/24/14	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260C	09/24/14	1
Methyl Acetate	27.	23.	ug/kg		8260C	09/24/14	1
Methyl Cyclohexane	11.	1.1	ug/kg		8260C	09/24/14	1
Methylene Chloride	BDL	5.6	ug/kg		8260C	09/24/14	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260C	09/24/14	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260C	09/24/14	1
Naphthalene	BDL	5.6	ug/kg		8260C	09/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-02

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-002-9-9.4FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 13:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Tetrachloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
Toluene	BDL	5.6	ug/kg		8260C	09/24/14	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Trichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260C	09/24/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Vinyl chloride	BDL	1.1	ug/kg		8260C	09/24/14	1
o-Xylene	BDL	1.1	ug/kg		8260C	09/24/14	1
m&p-Xylenes	3.6	2.3	ug/kg		8260C	09/24/14	1
n-Butylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260C	09/24/14	1
n-Propylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2,4-Trimethylbenzene	1.2	1.1	ug/kg		8260C	09/24/14	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
Surrogate Recovery							
Toluene-d8	99.1		% Rec.		8260C	09/24/14	1
Dibromofluoromethane	100.		% Rec.		8260C	09/24/14	1
a,a,a-Trifluorotoluene	101.		% Rec.		8260C	09/24/14	1
4-Bromofluorobenzene	103.		% Rec.		8260C	09/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-03

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-03-1.5-2.2FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 14:15

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.2		%		2540 G-201	09/24/14	1
Mercury	400	22.	ug/kg		7471	09/23/14	1
Antimony	BDL	2200	ug/kg		6010C	09/23/14	1
Arsenic	6000	2200	ug/kg		6010C	09/23/14	1
Beryllium	BDL	220	ug/kg		6010C	09/23/14	1
Cadmium	BDL	550	ug/kg		6010C	09/23/14	1
Chromium	9500	1100	ug/kg		6010C	09/23/14	1
Copper	15000	2200	ug/kg		6010C	09/23/14	1
Lead	400000	550	ug/kg		6010C	09/23/14	1
Nickel	7400	2200	ug/kg		6010C	09/23/14	1
Selenium	BDL	2200	ug/kg		6010C	09/23/14	1
Silver	BDL	1100	ug/kg		6010C	09/23/14	1
Thallium	BDL	2200	ug/kg		6010C	09/23/14	1
Zinc	160000	5500	ug/kg		6010C	09/23/14	1
Polychlorinated Biphenyls							
PCB 1016	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1221	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1232	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1242	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1248	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1254	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1260	BDL	19.	ug/kg		8082	09/26/14	1
PCBs Surrogates							
Decachlorobiphenyl	67.8		% Rec.		8082	09/26/14	1
Tetrachloro-m-xylene	62.5		% Rec.		8082	09/26/14	1
Base/Neutral Extractables							
Acenaphthene	BDL	360	ug/kg		8270D	09/30/14	10
Acenaphthylene	BDL	360	ug/kg		8270D	09/30/14	10
Anthracene	BDL	360	ug/kg		8270D	09/30/14	10
Benzidine	BDL	3600	ug/kg	J3	8270D	09/30/14	10
Benzo(a)anthracene	BDL	360	ug/kg		8270D	09/30/14	10
Benzo(b)fluoranthene	BDL	360	ug/kg		8270D	09/30/14	10
Benzo(k)fluoranthene	BDL	360	ug/kg		8270D	09/30/14	10
Benzo(g,h,i)perylene	BDL	360	ug/kg		8270D	09/30/14	10
Benzo(a)pyrene	BDL	360	ug/kg		8270D	09/30/14	10
Bis(2-chlorethoxy)methane	BDL	3600	ug/kg		8270D	09/30/14	10
Bis(2-chloroethyl)ether	BDL	3600	ug/kg		8270D	09/30/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-03

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-03-1.5-2.2FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 14:15

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Bis(2-chloroisopropyl)ether	BDL	3600	ug/kg		8270D	09/30/14	10
4-Bromophenyl-phenylether	BDL	3600	ug/kg		8270D	09/30/14	10
2-Chloronaphthalene	BDL	360	ug/kg		8270D	09/30/14	10
4-Chlorophenyl-phenylether	BDL	3600	ug/kg		8270D	09/30/14	10
Chrysene	BDL	360	ug/kg		8270D	09/30/14	10
Dibenz(a,h)anthracene	BDL	360	ug/kg		8270D	09/30/14	10
3,3-Dichlorobenzidine	BDL	3600	ug/kg		8270D	09/30/14	10
2,4-Dinitrotoluene	BDL	3600	ug/kg		8270D	09/30/14	10
2,6-Dinitrotoluene	BDL	3600	ug/kg		8270D	09/30/14	10
Fluoranthene	530	360	ug/kg		8270D	09/30/14	10
Fluorene	BDL	360	ug/kg		8270D	09/30/14	10
Hexachlorobenzene	BDL	3600	ug/kg		8270D	09/30/14	10
Hexachloro-1,3-butadiene	BDL	3600	ug/kg		8270D	09/30/14	10
Hexachlorocyclopentadiene	BDL	3600	ug/kg		8270D	09/30/14	10
Hexachloroethane	BDL	3600	ug/kg		8270D	09/30/14	10
Indeno(1,2,3-cd)pyrene	BDL	360	ug/kg		8270D	09/30/14	10
Isophorone	BDL	3600	ug/kg		8270D	09/30/14	10
Naphthalene	BDL	360	ug/kg		8270D	09/30/14	10
Nitrobenzene	BDL	3600	ug/kg		8270D	09/30/14	10
n-Nitrosodimethylamine	BDL	3600	ug/kg		8270D	09/30/14	10
n-Nitrosodiphenylamine	BDL	3600	ug/kg		8270D	09/30/14	10
n-Nitrosodi-n-propylamine	BDL	3600	ug/kg		8270D	09/30/14	10
Phenanthrene	BDL	360	ug/kg		8270D	09/30/14	10
Benzylbutyl phthalate	BDL	3600	ug/kg		8270D	09/30/14	10
Bis(2-ethylhexyl)phthalate	BDL	3600	ug/kg		8270D	09/30/14	10
Di-n-butyl phthalate	BDL	3600	ug/kg		8270D	09/30/14	10
Diethyl phthalate	BDL	3600	ug/kg		8270D	09/30/14	10
Dimethyl phthalate	BDL	3600	ug/kg		8270D	09/30/14	10
Di-n-octyl phthalate	BDL	3600	ug/kg		8270D	09/30/14	10
Pyrene	BDL	360	ug/kg		8270D	09/30/14	10
1,2,4-Trichlorobenzene	BDL	3600	ug/kg		8270D	09/30/14	10
Acid Extractables							
4-Chloro-3-methylphenol	BDL	3600	ug/kg		8270D	09/30/14	10
2-Chlorophenol	BDL	3600	ug/kg		8270D	09/30/14	10
2,4-Dichlorophenol	BDL	3600	ug/kg		8270D	09/30/14	10
2,4-Dimethylphenol	BDL	3600	ug/kg		8270D	09/30/14	10
4,6-Dinitro-2-methylphenol	BDL	3600	ug/kg	J3	8270D	09/30/14	10
2,4-Dinitrophenol	BDL	3600	ug/kg	J3	8270D	09/30/14	10
2-Nitrophenol	BDL	3600	ug/kg		8270D	09/30/14	10
4-Nitrophenol	BDL	3600	ug/kg	J3	8270D	09/30/14	10
Pentachlorophenol	BDL	3600	ug/kg	J3	8270D	09/30/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-03

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-03-1.5-2.2FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 14:15

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Phenol	BDL	3600	ug/kg		8270D	09/30/14	10
2,4,6-Trichlorophenol	BDL	3600	ug/kg		8270D	09/30/14	10
Surrogate Recovery							
2-Fluorophenol	83.4		% Rec.		8270D	09/30/14	10
Phenol-d5	72.5		% Rec.		8270D	09/30/14	10
Nitrobenzene-d5	71.0		% Rec.		8270D	09/30/14	10
2-Fluorobiphenyl	82.1		% Rec.		8270D	09/30/14	10
2,4,6-Tribromophenol	63.2		% Rec.		8270D	09/30/14	10
p-Terphenyl-d14	59.7		% Rec.		8270D	09/30/14	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-04

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-04-4.5-6FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 14:40

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.9		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	57.	ug/kg		8260C	09/24/14	1
Benzene	2.6	1.1	ug/kg		8260C	09/24/14	1
Bromochloromethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Bromodichloromethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Bromoform	BDL	1.1	ug/kg		8260C	09/24/14	1
Bromomethane	BDL	5.7	ug/kg		8260C	09/24/14	1
Carbon disulfide	BDL	1.1	ug/kg		8260C	09/24/14	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260C	09/24/14	1
Chlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Chloroethane	BDL	5.7	ug/kg		8260C	09/24/14	1
Chloroform	BDL	5.7	ug/kg		8260C	09/24/14	1
Chloromethane	BDL	2.8	ug/kg		8260C	09/24/14	1
Cyclohexane	4.7	1.1	ug/kg		8260C	09/24/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.7	ug/kg		8260C	09/24/14	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Dichlorodifluoromethane	BDL	5.7	ug/kg		8260C	09/24/14	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260C	09/24/14	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/24/14	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/24/14	1
Ethylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
2-Hexanone	BDL	11.	ug/kg		8260C	09/24/14	1
Isopropylbenzene	BDL	11.	ug/kg		8260C	09/24/14	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260C	09/24/14	1
Methyl Acetate	BDL	23.	ug/kg		8260C	09/24/14	1
Methyl Cyclohexane	9.1	1.1	ug/kg		8260C	09/24/14	1
Methylene Chloride	BDL	5.7	ug/kg		8260C	09/24/14	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260C	09/24/14	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260C	09/24/14	1
Naphthalene	BDL	5.7	ug/kg		8260C	09/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-04

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-04-4.5-6FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 14:40

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Tetrachloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
Toluene	6.1	5.7	ug/kg		8260C	09/24/14	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Trichloroethene	BDL	1.1	ug/kg		8260C	09/24/14	1
Trichlorofluoromethane	BDL	5.7	ug/kg		8260C	09/24/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260C	09/24/14	1
Vinyl chloride	BDL	1.1	ug/kg		8260C	09/24/14	1
o-Xylene	1.2	1.1	ug/kg		8260C	09/24/14	1
m&p-Xylenes	4.4	2.3	ug/kg		8260C	09/24/14	1
n-Butylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260C	09/24/14	1
n-Propylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
1,2,4-Trimethylbenzene	1.5	1.1	ug/kg		8260C	09/24/14	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/24/14	1
Surrogate Recovery							
Toluene-d8	97.7		% Rec.		8260C	09/24/14	1
Dibromofluoromethane	99.5		% Rec.		8260C	09/24/14	1
a,a,a-Trifluorotoluene	101.		% Rec.		8260C	09/24/14	1
4-Bromofluorobenzene	101.		% Rec.		8260C	09/24/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-05

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-05-7-8FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 15:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.8		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260C	09/26/14	1
Benzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromochloromethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromodichloromethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromoform	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromomethane	BDL	5.6	ug/kg		8260C	09/26/14	1
Carbon disulfide	BDL	1.1	ug/kg		8260C	09/26/14	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260C	09/26/14	1
Chlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Chloroethane	BDL	5.6	ug/kg		8260C	09/26/14	1
Chloroform	BDL	5.6	ug/kg		8260C	09/26/14	1
Chloromethane	BDL	2.8	ug/kg		8260C	09/26/14	1
Cyclohexane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260C	09/26/14	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/26/14	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/26/14	1
Ethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
2-Hexanone	BDL	11.	ug/kg		8260C	09/26/14	1
Isopropylbenzene	BDL	11.	ug/kg		8260C	09/26/14	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260C	09/26/14	1
Methyl Acetate	BDL	22.	ug/kg		8260C	09/26/14	1
Methyl Cyclohexane	BDL	1.1	ug/kg		8260C	09/26/14	1
Methylene Chloride	BDL	5.6	ug/kg		8260C	09/26/14	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260C	09/26/14	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260C	09/26/14	1
Naphthalene	BDL	5.6	ug/kg		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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L722958-05 (V8260TCLC) - PREVIOUS RUN ALSO FAILED LOW INTERNAL STANDARD

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-05

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-05-7-8FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/17/14 15:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Tetrachloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
Toluene	BDL	5.6	ug/kg		8260C	09/26/14	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Trichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Vinyl chloride	BDL	1.1	ug/kg		8260C	09/26/14	1
o-Xylene	BDL	1.1	ug/kg		8260C	09/26/14	1
m&p-Xylenes	BDL	2.2	ug/kg		8260C	09/26/14	1
n-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260C	09/26/14	1
n-Propylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Surrogate Recovery							
Toluene-d8	95.4		% Rec.		8260C	09/26/14	1
Dibromofluoromethane	101.		% Rec.		8260C	09/26/14	1
a,a,a-Trifluorotoluene	103.		% Rec.		8260C	09/26/14	1
4-Bromofluorobenzene	111.		% Rec.		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Note:
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L722958-05 (V8260TCLC) - PREVIOUS RUN ALSO FAILED LOW INTERNAL STANDARD

12065 Lebanon Rd.
Mt. Juliet, TN 37122
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-06

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-07-10-10.8FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 09:40

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.1		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260C	09/26/14	1
Benzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromochloromethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromodichloromethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromoform	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromomethane	BDL	5.6	ug/kg		8260C	09/26/14	1
Carbon disulfide	BDL	1.1	ug/kg		8260C	09/26/14	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260C	09/26/14	1
Chlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Chloroethane	BDL	5.6	ug/kg		8260C	09/26/14	1
Chloroform	BDL	5.6	ug/kg		8260C	09/26/14	1
Chloromethane	BDL	2.8	ug/kg		8260C	09/26/14	1
Cyclohexane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260C	09/26/14	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/26/14	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/26/14	1
Ethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
2-Hexanone	BDL	11.	ug/kg		8260C	09/26/14	1
Isopropylbenzene	BDL	11.	ug/kg		8260C	09/26/14	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260C	09/26/14	1
Methyl Acetate	BDL	22.	ug/kg		8260C	09/26/14	1
Methyl Cyclohexane	BDL	1.1	ug/kg		8260C	09/26/14	1
Methylene Chloride	BDL	5.6	ug/kg		8260C	09/26/14	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260C	09/26/14	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260C	09/26/14	1
Naphthalene	BDL	5.6	ug/kg		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Ms. Jen Gillen
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300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-06

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-07-10-10.8FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 09:40

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Tetrachloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
Toluene	BDL	5.6	ug/kg		8260C	09/26/14	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Trichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Vinyl chloride	BDL	1.1	ug/kg		8260C	09/26/14	1
o-Xylene	BDL	1.1	ug/kg		8260C	09/26/14	1
m&p-Xylenes	BDL	2.2	ug/kg		8260C	09/26/14	1
n-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260C	09/26/14	1
n-Propylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Surrogate Recovery							
Toluene-d8	99.4		% Rec.		8260C	09/26/14	1
Dibromofluoromethane	99.1		% Rec.		8260C	09/26/14	1
a,a,a-Trifluorotoluene	105.		% Rec.		8260C	09/26/14	1
4-Bromofluorobenzene	107.		% Rec.		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-07

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-08-9.5-10.6FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 10:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	84.3		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	59.	ug/kg		8260C	09/26/14	1
Benzene	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromochloromethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromodichloromethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromoform	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromomethane	BDL	5.9	ug/kg		8260C	09/26/14	1
Carbon disulfide	BDL	1.2	ug/kg		8260C	09/26/14	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260C	09/26/14	1
Chlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Chloroethane	BDL	5.9	ug/kg		8260C	09/26/14	1
Chloroform	BDL	5.9	ug/kg		8260C	09/26/14	1
Chloromethane	BDL	3.0	ug/kg		8260C	09/26/14	1
Cyclohexane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.9	ug/kg		8260C	09/26/14	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Dichlorodifluoromethane	BDL	5.9	ug/kg		8260C	09/26/14	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260C	09/26/14	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260C	09/26/14	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260C	09/26/14	1
Ethylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
2-Hexanone	BDL	12.	ug/kg		8260C	09/26/14	1
Isopropylbenzene	BDL	12.	ug/kg		8260C	09/26/14	1
2-Butanone (MEK)	BDL	12.	ug/kg		8260C	09/26/14	1
Methyl Acetate	BDL	24.	ug/kg		8260C	09/26/14	1
Methyl Cyclohexane	BDL	1.2	ug/kg		8260C	09/26/14	1
Methylene Chloride	BDL	5.9	ug/kg		8260C	09/26/14	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260C	09/26/14	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260C	09/26/14	1
Naphthalene	BDL	5.9	ug/kg		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-07

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-08-9.5-10.6FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 10:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Tetrachloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
Toluene	BDL	5.9	ug/kg		8260C	09/26/14	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Trichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
Trichlorofluoromethane	BDL	5.9	ug/kg		8260C	09/26/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Vinyl chloride	BDL	1.2	ug/kg		8260C	09/26/14	1
o-Xylene	BDL	1.2	ug/kg		8260C	09/26/14	1
m&p-Xylenes	BDL	2.4	ug/kg		8260C	09/26/14	1
n-Butylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260C	09/26/14	1
n-Propylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
Surrogate Recovery							
Toluene-d8	98.6		% Rec.		8260C	09/26/14	1
Dibromofluoromethane	96.5		% Rec.		8260C	09/26/14	1
a,a,a-Trifluorotoluene	105.		% Rec.		8260C	09/26/14	1
4-Bromofluorobenzene	103.		% Rec.		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-08

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-09-7-8FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 11:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.4		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	58.	ug/kg		8260C	09/26/14	1
Benzene	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromochloromethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromodichloromethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromoform	BDL	1.2	ug/kg		8260C	09/26/14	1
Bromomethane	BDL	5.8	ug/kg		8260C	09/26/14	1
Carbon disulfide	BDL	1.2	ug/kg		8260C	09/26/14	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260C	09/26/14	1
Chlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Chloroethane	BDL	5.8	ug/kg		8260C	09/26/14	1
Chloroform	BDL	5.8	ug/kg		8260C	09/26/14	1
Chloromethane	BDL	2.9	ug/kg		8260C	09/26/14	1
Cyclohexane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.8	ug/kg		8260C	09/26/14	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Dichlorodifluoromethane	BDL	5.8	ug/kg		8260C	09/26/14	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260C	09/26/14	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260C	09/26/14	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260C	09/26/14	1
Ethylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
2-Hexanone	BDL	12.	ug/kg		8260C	09/26/14	1
Isopropylbenzene	BDL	12.	ug/kg		8260C	09/26/14	1
2-Butanone (MEK)	BDL	12.	ug/kg		8260C	09/26/14	1
Methyl Acetate	BDL	23.	ug/kg		8260C	09/26/14	1
Methyl Cyclohexane	BDL	1.2	ug/kg		8260C	09/26/14	1
Methylene Chloride	BDL	5.8	ug/kg		8260C	09/26/14	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260C	09/26/14	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260C	09/26/14	1
Naphthalene	BDL	5.8	ug/kg		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-08

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-09-7-8FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 11:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Tetrachloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
Toluene	BDL	5.8	ug/kg		8260C	09/26/14	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Trichloroethene	BDL	1.2	ug/kg		8260C	09/26/14	1
Trichlorofluoromethane	BDL	5.8	ug/kg		8260C	09/26/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260C	09/26/14	1
Vinyl chloride	BDL	1.2	ug/kg		8260C	09/26/14	1
o-Xylene	BDL	1.2	ug/kg		8260C	09/26/14	1
m&p-Xylenes	BDL	2.3	ug/kg		8260C	09/26/14	1
n-Butylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260C	09/26/14	1
n-Propylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260C	09/26/14	1
Surrogate Recovery							
Toluene-d8	99.0		% Rec.		8260C	09/26/14	1
Dibromofluoromethane	96.7		% Rec.		8260C	09/26/14	1
a,a,a-Trifluorotoluene	104.		% Rec.		8260C	09/26/14	1
4-Bromofluorobenzene	105.		% Rec.		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-09

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-09-8.5-10FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 12:10

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.7		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	59.	ug/kg		8260C	09/25/14	1.04
Benzene	12.	1.2	ug/kg		8260C	09/25/14	1.04
Bromochloromethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Bromodichloromethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Bromoform	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Bromomethane	BDL	5.9	ug/kg		8260C	09/25/14	1.04
Carbon disulfide	2.5	1.2	ug/kg		8260C	09/25/14	1.04
Carbon tetrachloride	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Chlorobenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Chlorodibromomethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Chloroethane	BDL	5.9	ug/kg		8260C	09/25/14	1.04
Chloroform	BDL	5.9	ug/kg		8260C	09/25/14	1.04
Chloromethane	BDL	2.9	ug/kg		8260C	09/25/14	1.04
Cyclohexane	BDL	19.	ug/kg		8260C	09/26/14	17.25
1,2-Dibromo-3-Chloropropane	BDL	97.	ug/kg		8260C	09/26/14	17.25
1,2-Dibromoethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Dichlorodifluoromethane	BDL	5.9	ug/kg		8260C	09/25/14	1.04
1,1-Dichloroethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,2-Dichloroethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,1-Dichloroethene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,2-Dichloropropane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Ethylbenzene	3.7	1.2	ug/kg		8260C	09/25/14	1.04
2-Hexanone	BDL	12.	ug/kg		8260C	09/25/14	1.04
Isopropylbenzene	BDL	12.	ug/kg		8260C	09/25/14	1.04
2-Butanone (MEK)	BDL	12.	ug/kg		8260C	09/25/14	1.04
Methyl Acetate	BDL	23.	ug/kg		8260C	09/25/14	1.04
Methyl Cyclohexane	BDL	19.	ug/kg		8260C	09/26/14	17.25
Methylene Chloride	BDL	5.9	ug/kg		8260C	09/25/14	1.04
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260C	09/25/14	1.04
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Naphthalene	BDL	97.	ug/kg		8260C	09/26/14	17.25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-09

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-09-8.5-10FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 12:10

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Tetrachloroethene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Toluene	27.	5.9	ug/kg		8260C	09/25/14	1.04
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Trichloroethene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Trichlorofluoromethane	BDL	5.9	ug/kg		8260C	09/25/14	1.04
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260C	09/25/14	1.04
Vinyl chloride	BDL	1.2	ug/kg		8260C	09/25/14	1.04
o-Xylene	6.5	1.2	ug/kg		8260C	09/25/14	1.04
m&p-Xylenes	20.	2.3	ug/kg		8260C	09/25/14	1.04
n-Butylbenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
sec-Butylbenzene	1.9	1.2	ug/kg		8260C	09/25/14	1.04
tert-Butylbenzene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
p-Isopropyltoluene	BDL	1.2	ug/kg		8260C	09/25/14	1.04
n-Propylbenzene	1.4	1.2	ug/kg		8260C	09/25/14	1.04
1,2,4-Trimethylbenzene	8.8	1.2	ug/kg		8260C	09/25/14	1.04
1,3,5-Trimethylbenzene	4.2	1.2	ug/kg		8260C	09/25/14	1.04
Surrogate Recovery							
Toluene-d8	103.		% Rec.		8260C	09/25/14	1.04
Dibromofluoromethane	108.		% Rec.		8260C	09/25/14	1.04
a,a,a-Trifluorotoluene	103.		% Rec.		8260C	09/25/14	1.04
4-Bromofluorobenzene	125.		% Rec.		8260C	09/25/14	1.04

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-10

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-09-11-12

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 12:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.7		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260C	09/26/14	1
Benzene	2.9	1.1	ug/kg		8260C	09/26/14	1
Bromochloromethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromodichloromethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromoform	BDL	1.1	ug/kg		8260C	09/26/14	1
Bromomethane	BDL	5.6	ug/kg		8260C	09/26/14	1
Carbon disulfide	BDL	1.1	ug/kg		8260C	09/26/14	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260C	09/26/14	1
Chlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Chloroethane	BDL	5.6	ug/kg		8260C	09/26/14	1
Chloroform	BDL	5.6	ug/kg		8260C	09/26/14	1
Chloromethane	BDL	2.8	ug/kg		8260C	09/26/14	1
Cyclohexane	5.7	1.1	ug/kg		8260C	09/26/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260C	09/26/14	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/26/14	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260C	09/26/14	1
Ethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
2-Hexanone	BDL	11.	ug/kg		8260C	09/26/14	1
Isopropylbenzene	BDL	11.	ug/kg		8260C	09/26/14	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260C	09/26/14	1
Methyl Acetate	BDL	22.	ug/kg		8260C	09/26/14	1
Methyl Cyclohexane	10.	1.1	ug/kg		8260C	09/26/14	1
Methylene Chloride	BDL	5.6	ug/kg		8260C	09/26/14	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260C	09/26/14	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260C	09/26/14	1
Naphthalene	BDL	5.6	ug/kg		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-10

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-09-11-12

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 12:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Tetrachloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
Toluene	6.5	5.6	ug/kg		8260C	09/26/14	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Trichloroethene	BDL	1.1	ug/kg		8260C	09/26/14	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260C	09/26/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260C	09/26/14	1
Vinyl chloride	BDL	1.1	ug/kg		8260C	09/26/14	1
o-Xylene	1.3	1.1	ug/kg		8260C	09/26/14	1
m&p-Xylenes	4.7	2.2	ug/kg		8260C	09/26/14	1
n-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260C	09/26/14	1
n-Propylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
1,2,4-Trimethylbenzene	1.3	1.1	ug/kg		8260C	09/26/14	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260C	09/26/14	1
Surrogate Recovery							
Toluene-d8	100.		% Rec.		8260C	09/26/14	1
Dibromofluoromethane	98.6		% Rec.		8260C	09/26/14	1
a,a,a-Trifluorotoluene	103.		% Rec.		8260C	09/26/14	1
4-Bromofluorobenzene	105.		% Rec.		8260C	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-11

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-11-9-10.5FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 15:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.9		%		2540 G-201	09/24/14	1
Volatile Organics							
Acetone	BDL	1400	ug/kg		8260C	09/26/14	25
Benzene	BDL	28.	ug/kg		8260C	09/26/14	25
Bromochloromethane	BDL	28.	ug/kg		8260C	09/26/14	25
Bromodichloromethane	BDL	28.	ug/kg		8260C	09/26/14	25
Bromoform	BDL	28.	ug/kg		8260C	09/26/14	25
Bromomethane	BDL	140	ug/kg		8260C	09/26/14	25
Carbon disulfide	BDL	28.	ug/kg		8260C	09/26/14	25
Carbon tetrachloride	BDL	28.	ug/kg		8260C	09/26/14	25
Chlorobenzene	BDL	28.	ug/kg		8260C	09/26/14	25
Chlorodibromomethane	BDL	28.	ug/kg		8260C	09/26/14	25
Chloroethane	BDL	140	ug/kg	J3	8260C	09/26/14	25
Chloroform	BDL	140	ug/kg		8260C	09/26/14	25
Chloromethane	BDL	70.	ug/kg		8260C	09/26/14	25
Cyclohexane	BDL	28.	ug/kg		8260C	09/26/14	25
1,2-Dibromo-3-Chloropropane	BDL	140	ug/kg		8260C	09/26/14	25
1,2-Dibromoethane	BDL	28.	ug/kg		8260C	09/26/14	25
Dichlorodifluoromethane	BDL	140	ug/kg		8260C	09/26/14	25
1,1-Dichloroethane	BDL	28.	ug/kg		8260C	09/26/14	25
1,2-Dichloroethane	BDL	28.	ug/kg		8260C	09/26/14	25
1,2-Dichlorobenzene	34.	28.	ug/kg		8260C	09/26/14	25
1,3-Dichlorobenzene	BDL	28.	ug/kg		8260C	09/26/14	25
1,4-Dichlorobenzene	BDL	28.	ug/kg		8260C	09/26/14	25
1,1-Dichloroethene	BDL	28.	ug/kg		8260C	09/26/14	25
cis-1,2-Dichloroethene	BDL	28.	ug/kg		8260C	09/26/14	25
trans-1,2-Dichloroethene	BDL	28.	ug/kg		8260C	09/26/14	25
1,2-Dichloropropane	BDL	28.	ug/kg		8260C	09/26/14	25
cis-1,3-Dichloropropene	BDL	28.	ug/kg		8260C	09/26/14	25
trans-1,3-Dichloropropene	BDL	28.	ug/kg		8260C	09/26/14	25
Ethylbenzene	BDL	28.	ug/kg		8260C	09/26/14	25
2-Hexanone	BDL	280	ug/kg		8260C	09/26/14	25
Isopropylbenzene	BDL	280	ug/kg		8260C	09/26/14	25
2-Butanone (MEK)	BDL	280	ug/kg		8260C	09/26/14	25
Methyl Acetate	BDL	560	ug/kg		8260C	09/26/14	25
Methyl Cyclohexane	BDL	28.	ug/kg		8260C	09/26/14	25
Methylene Chloride	BDL	140	ug/kg		8260C	09/26/14	25
4-Methyl-2-pentanone (MIBK)	BDL	280	ug/kg		8260C	09/26/14	25
Methyl tert-butyl ether	BDL	28.	ug/kg		8260C	09/26/14	25
Naphthalene	BDL	140	ug/kg		8260C	09/26/14	25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Note:
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L722958-11 (V8260TCLC) - Non-target compounds too high to run at a lower dilution.

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-11

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-11-9-10.5FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 15:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Styrene	BDL	28.	ug/kg		8260C	09/26/14	25
1,1,2,2-Tetrachloroethane	BDL	28.	ug/kg		8260C	09/26/14	25
Tetrachloroethene	BDL	28.	ug/kg		8260C	09/26/14	25
Toluene	BDL	140	ug/kg		8260C	09/26/14	25
1,2,3-Trichlorobenzene	BDL	28.	ug/kg		8260C	09/26/14	25
1,2,4-Trichlorobenzene	BDL	28.	ug/kg		8260C	09/26/14	25
1,1,1-Trichloroethane	BDL	28.	ug/kg		8260C	09/26/14	25
1,1,2-Trichloroethane	BDL	28.	ug/kg		8260C	09/26/14	25
Trichloroethene	BDL	28.	ug/kg		8260C	09/26/14	25
Trichlorofluoromethane	BDL	140	ug/kg		8260C	09/26/14	25
1,1,2-Trichlorotrifluoroethane	BDL	28.	ug/kg		8260C	09/26/14	25
Vinyl chloride	BDL	28.	ug/kg		8260C	09/26/14	25
o-Xylene	BDL	28.	ug/kg		8260C	09/26/14	25
m&p-Xylenes	BDL	56.	ug/kg		8260C	09/26/14	25
n-Butylbenzene	60.	28.	ug/kg		8260C	09/26/14	25
sec-Butylbenzene	45.	28.	ug/kg		8260C	09/26/14	25
tert-Butylbenzene	BDL	28.	ug/kg		8260C	09/26/14	25
p-Isopropyltoluene	BDL	28.	ug/kg		8260C	09/26/14	25
n-Propylbenzene	91.	28.	ug/kg		8260C	09/26/14	25
1,2,4-Trimethylbenzene	BDL	28.	ug/kg		8260C	09/26/14	25
1,3,5-Trimethylbenzene	BDL	28.	ug/kg		8260C	09/26/14	25
Surrogate Recovery							
Toluene-d8	98.4		% Rec.		8260C	09/26/14	25
Dibromofluoromethane	92.3		% Rec.		8260C	09/26/14	25
a,a,a-Trifluorotoluene	104.		% Rec.		8260C	09/26/14	25
4-Bromofluorobenzene	110.		% Rec.		8260C	09/26/14	25

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Note:
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L722958-11 (V8260TCLC) - Non-target compounds too high to run at a lower dilution.

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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-12

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-10-9-10.1FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 14:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.3		%		2540 G-201	09/24/14	1
Mercury	BDL	23.	ug/kg		7471	09/23/14	1
Antimony	BDL	2300	ug/kg		6010C	09/23/14	1
Arsenic	3500	2300	ug/kg		6010C	09/23/14	1
Beryllium	BDL	230	ug/kg		6010C	09/23/14	1
Cadmium	BDL	570	ug/kg		6010C	09/23/14	1
Chromium	5000	1100	ug/kg		6010C	09/23/14	1
Copper	5500	2300	ug/kg		6010C	09/23/14	1
Lead	11000	570	ug/kg		6010C	09/23/14	1
Nickel	5200	2300	ug/kg		6010C	09/23/14	1
Selenium	BDL	2300	ug/kg		6010C	09/23/14	1
Silver	BDL	1100	ug/kg		6010C	09/23/14	1
Thallium	BDL	2300	ug/kg		6010C	09/23/14	1
Zinc	96000	5700	ug/kg		6010C	09/23/14	1
Polychlorinated Biphenyls							
PCB 1016	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1221	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1232	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1242	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1248	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1254	BDL	19.	ug/kg		8082	09/26/14	1
PCB 1260	BDL	19.	ug/kg		8082	09/26/14	1
PCBs Surrogates							
Decachlorobiphenyl	66.9		% Rec.		8082	09/26/14	1
Tetrachloro-m-xylene	79.8		% Rec.		8082	09/26/14	1
Base/Neutral Extractables							
Acenaphthene	BDL	37.	ug/kg		8270D	09/26/14	1
Acenaphthylene	BDL	37.	ug/kg		8270D	09/26/14	1
Anthracene	BDL	37.	ug/kg		8270D	09/26/14	1
Benzidine	BDL	380	ug/kg	J3J	8270D	09/26/14	1
Benzo(a)anthracene	BDL	37.	ug/kg		8270D	09/26/14	1
Benzo(b)fluoranthene	BDL	37.	ug/kg		8270D	09/26/14	1
Benzo(k)fluoranthene	BDL	37.	ug/kg		8270D	09/26/14	1
Benzo(g,h,i)perylene	BDL	37.	ug/kg		8270D	09/26/14	1
Benzo(a)pyrene	BDL	37.	ug/kg		8270D	09/26/14	1
Bis(2-chlorethoxy)methane	BDL	380	ug/kg		8270D	09/26/14	1
Bis(2-chloroethyl)ether	BDL	380	ug/kg		8270D	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-12

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-10-9-10.1FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 14:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Bis(2-chloroisopropyl)ether	BDL	380	ug/kg		8270D	09/26/14	1
4-Bromophenyl-phenylether	BDL	380	ug/kg		8270D	09/26/14	1
2-Chloronaphthalene	BDL	37.	ug/kg		8270D	09/26/14	1
4-Chlorophenyl-phenylether	BDL	380	ug/kg		8270D	09/26/14	1
Chrysene	BDL	37.	ug/kg		8270D	09/26/14	1
Dibenz(a,h)anthracene	BDL	37.	ug/kg		8270D	09/26/14	1
3,3-Dichlorobenzidine	BDL	380	ug/kg		8270D	09/26/14	1
2,4-Dinitrotoluene	BDL	380	ug/kg		8270D	09/26/14	1
2,6-Dinitrotoluene	BDL	380	ug/kg		8270D	09/26/14	1
Fluoranthene	BDL	37.	ug/kg		8270D	09/26/14	1
Fluorene	BDL	37.	ug/kg		8270D	09/26/14	1
Hexachlorobenzene	BDL	380	ug/kg		8270D	09/26/14	1
Hexachloro-1,3-butadiene	BDL	380	ug/kg		8270D	09/26/14	1
Hexachlorocyclopentadiene	BDL	380	ug/kg		8270D	09/26/14	1
Hexachloroethane	BDL	380	ug/kg		8270D	09/26/14	1
Indeno(1,2,3-cd)pyrene	BDL	37.	ug/kg		8270D	09/26/14	1
Isophorone	BDL	380	ug/kg		8270D	09/26/14	1
Naphthalene	BDL	37.	ug/kg		8270D	09/26/14	1
Nitrobenzene	BDL	380	ug/kg		8270D	09/26/14	1
n-Nitrosodimethylamine	BDL	380	ug/kg		8270D	09/26/14	1
n-Nitrosodiphenylamine	BDL	380	ug/kg		8270D	09/26/14	1
n-Nitrosodi-n-propylamine	BDL	380	ug/kg		8270D	09/26/14	1
Phenanthrene	BDL	37.	ug/kg		8270D	09/26/14	1
Benzylbutyl phthalate	BDL	380	ug/kg		8270D	09/26/14	1
Bis(2-ethylhexyl)phthalate	BDL	380	ug/kg		8270D	09/26/14	1
Di-n-butyl phthalate	BDL	380	ug/kg		8270D	09/26/14	1
Diethyl phthalate	BDL	380	ug/kg		8270D	09/26/14	1
Dimethyl phthalate	BDL	380	ug/kg		8270D	09/26/14	1
Di-n-octyl phthalate	BDL	380	ug/kg		8270D	09/26/14	1
Pyrene	BDL	37.	ug/kg		8270D	09/26/14	1
1,2,4-Trichlorobenzene	BDL	380	ug/kg		8270D	09/26/14	1
Acid Extractables							
4-Chloro-3-methylphenol	BDL	380	ug/kg		8270D	09/26/14	1
2-Chlorophenol	BDL	380	ug/kg		8270D	09/26/14	1
2,4-Dichlorophenol	BDL	380	ug/kg		8270D	09/26/14	1
2,4-Dimethylphenol	BDL	380	ug/kg		8270D	09/26/14	1
4,6-Dinitro-2-methylphenol	BDL	380	ug/kg	J3	8270D	09/26/14	1
2,4-Dinitrophenol	BDL	380	ug/kg	J3	8270D	09/26/14	1
2-Nitrophenol	BDL	380	ug/kg		8270D	09/26/14	1
4-Nitrophenol	BDL	380	ug/kg	J3	8270D	09/26/14	1
Pentachlorophenol	BDL	380	ug/kg	J3	8270D	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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REPORT OF ANALYSIS

Ms. Jen Gillen
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

September 30,2014

ESC Sample # : L722958-12

Date Received : September 20, 2014
Description : City of Rochester

Site ID :

Sample ID : LAB-SB-10-9-10.1FT

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/18/14 14:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Phenol	BDL	380	ug/kg		8270D	09/26/14	1
2,4,6-Trichlorophenol	BDL	380	ug/kg		8270D	09/26/14	1
Surrogate Recovery							
2-Fluorophenol	67.9		% Rec.		8270D	09/26/14	1
Phenol-d5	62.5		% Rec.		8270D	09/26/14	1
Nitrobenzene-d5	63.2		% Rec.		8270D	09/26/14	1
2-Fluorobiphenyl	64.9		% Rec.		8270D	09/26/14	1
2,4,6-Tribromophenol	61.9		% Rec.		8270D	09/26/14	1
p-Terphenyl-d14	48.4		% Rec.		8270D	09/26/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L722958-03	WG744839	SAMP	Benzidine	R2993943	J3
	WG744839	SAMP	4,6-Dinitro-2-methylphenol	R2993943	J3
	WG744839	SAMP	2,4-Dinitrophenol	R2993943	J3
	WG744839	SAMP	4-Nitrophenol	R2993943	J3
	WG744839	SAMP	Pentachlorophenol	R2993943	J3
L722958-11	WG745319	SAMP	Chloroethane	R2993267	J3
L722958-12	WG744839	SAMP	Benzidine	R2993245	J3J
	WG744839	SAMP	4,6-Dinitro-2-methylphenol	R2993245	J3
	WG744839	SAMP	2,4-Dinitrophenol	R2993245	J3
	WG744839	SAMP	4-Nitrophenol	R2993245	J3
	WG744839	SAMP	Pentachlorophenol	R2993245	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
09/30/14 at 16:33:29

TSR Signing Reports: 364
R5 - Desired TAT

NY 8270, 8270TCL, PAHSIMLVI, PAH - always 8270D NY VOCs - V8260C Be careful client works in many different states VOCs - TCL + CP-51 = V8260TCL with LABRNY-TCL+STARS ESC key

Sample: L722958-01 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-02 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-03 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31

Sample: L722958-04 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-05 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-06 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-07 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-08 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-09 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-10 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-11 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31
V8260TCLC includes STARS
Sample: L722958-12 Account: LABRNY Received: 09/20/14 09:00 Due Date: 09/26/14 00:00 RPT Date: 09/30/14 16:31

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Est. 1970

Ms. Ann Aquilina
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

Report Summary

Thursday October 02, 2014

Report Number: L723838
Samples Received: 09/25/14
Client Project: 214683

Description: City of Rochester

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Alan Harvill

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

Ms. Ann Aquilina
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

October 02,2014

ESC Sample # : L723838-01

Date Received : September 25, 2014
Description : City of Rochester

Site ID :

Sample ID : MW-01

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/23/14 11:00

Parameter	Result	Det. Limit	Units	Qualifier	Method	Date	Dil.
Volatile Organics							
Acetone	BDL	50.	ug/l		8260C	10/02/14	1
Benzene	BDL	1.0	ug/l		8260C	10/02/14	1
Bromochloromethane	BDL	1.0	ug/l		8260C	10/02/14	1
Bromodichloromethane	BDL	1.0	ug/l		8260C	10/02/14	1
Bromoform	BDL	1.0	ug/l		8260C	10/02/14	1
Bromomethane	BDL	5.0	ug/l		8260C	10/02/14	1
Carbon disulfide	BDL	1.0	ug/l		8260C	10/02/14	1
Carbon tetrachloride	BDL	1.0	ug/l		8260C	10/02/14	1
Chlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Chlorodibromomethane	BDL	1.0	ug/l		8260C	10/02/14	1
Chloroethane	BDL	5.0	ug/l		8260C	10/02/14	1
Chloroform	BDL	5.0	ug/l		8260C	10/02/14	1
Chloromethane	BDL	2.5	ug/l		8260C	10/02/14	1
Cyclohexane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l		8260C	10/02/14	1
1,2-Dibromoethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,3-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,4-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Dichlorodifluoromethane	BDL	5.0	ug/l		8260C	10/02/14	1
1,1-Dichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,1-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichloropropane	BDL	1.0	ug/l		8260C	10/02/14	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l		8260C	10/02/14	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l		8260C	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
2-Hexanone	BDL	10.	ug/l		8260C	10/02/14	1
Isopropylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
2-Butanone (MEK)	BDL	10.	ug/l		8260C	10/02/14	1
Methyl Acetate	BDL	20.	ug/l		8260C	10/02/14	1
Methyl Cyclohexane	BDL	1.0	ug/l		8260C	10/02/14	1
Methylene Chloride	BDL	5.0	ug/l		8260C	10/02/14	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l		8260C	10/02/14	1
Methyl tert-butyl ether	BDL	1.0	ug/l		8260C	10/02/14	1
Naphthalene	BDL	5.0	ug/l		8260C	10/02/14	1
Styrene	BDL	1.0	ug/l		8260C	10/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

Ms. Ann Aquilina
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

October 02,2014

ESC Sample # : L723838-01

Date Received : September 25, 2014
Description : City of Rochester

Site ID :

Sample ID : MW-01

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/23/14 11:00

Parameter	Result	Det. Limit	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Tetrachloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
Toluene	BDL	5.0	ug/l		8260C	10/02/14	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,1,1-Trichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,1,2-Trichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Trichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
Trichlorofluoromethane	BDL	5.0	ug/l		8260C	10/02/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Vinyl chloride	BDL	1.0	ug/l		8260C	10/02/14	1
o-Xylene	1.3	1.0	ug/l		8260C	10/02/14	1
m&p-Xylenes	BDL	2.0	ug/l		8260C	10/02/14	1
n-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
sec-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
tert-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
p-Isopropyltoluene	BDL	1.0	ug/l		8260C	10/02/14	1
n-Propylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2,4-Trimethylbenzene	1.2	1.0	ug/l		8260C	10/02/14	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Surrogate Recovery							
Toluene-d8	101.		% Rec.		8260C	10/02/14	1
Dibromofluoromethane	104.		% Rec.		8260C	10/02/14	1
a,a,a-Trifluorotoluene	104.		% Rec.		8260C	10/02/14	1
4-Bromofluorobenzene	97.9		% Rec.		8260C	10/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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Reported: 10/02/14 10:46 Printed: 10/02/14 14:32

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LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

October 02,2014

ESC Sample # : L723838-02

Date Received : September 25, 2014
Description : City of Rochester

Site ID :

Sample ID : MW-03

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/23/14 13:10

Parameter	Result	Det. Limit	Units	Qualifier	Method	Date	Dil.
Volatile Organics							
Acetone	BDL	50.	ug/l		8260C	10/02/14	1
Benzene	BDL	1.0	ug/l		8260C	10/02/14	1
Bromochloromethane	BDL	1.0	ug/l		8260C	10/02/14	1
Bromodichloromethane	BDL	1.0	ug/l		8260C	10/02/14	1
Bromoform	BDL	1.0	ug/l		8260C	10/02/14	1
Bromomethane	BDL	5.0	ug/l		8260C	10/02/14	1
Carbon disulfide	BDL	1.0	ug/l		8260C	10/02/14	1
Carbon tetrachloride	BDL	1.0	ug/l		8260C	10/02/14	1
Chlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Chlorodibromomethane	BDL	1.0	ug/l		8260C	10/02/14	1
Chloroethane	BDL	5.0	ug/l		8260C	10/02/14	1
Chloroform	BDL	5.0	ug/l		8260C	10/02/14	1
Chloromethane	BDL	2.5	ug/l		8260C	10/02/14	1
Cyclohexane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l		8260C	10/02/14	1
1,2-Dibromoethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,3-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,4-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Dichlorodifluoromethane	BDL	5.0	ug/l		8260C	10/02/14	1
1,1-Dichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,1-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichloropropane	BDL	1.0	ug/l		8260C	10/02/14	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l		8260C	10/02/14	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l		8260C	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
2-Hexanone	BDL	10.	ug/l		8260C	10/02/14	1
Isopropylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
2-Butanone (MEK)	BDL	10.	ug/l		8260C	10/02/14	1
Methyl Acetate	BDL	20.	ug/l		8260C	10/02/14	1
Methyl Cyclohexane	BDL	1.0	ug/l		8260C	10/02/14	1
Methylene Chloride	BDL	5.0	ug/l		8260C	10/02/14	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l		8260C	10/02/14	1
Methyl tert-butyl ether	BDL	1.0	ug/l		8260C	10/02/14	1
Naphthalene	BDL	5.0	ug/l		8260C	10/02/14	1
Styrene	BDL	1.0	ug/l		8260C	10/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Ms. Ann Aquilina
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

October 02,2014

ESC Sample # : L723838-02

Date Received : September 25, 2014
Description : City of Rochester

Site ID :

Sample ID : MW-03

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/23/14 13:10

Parameter	Result	Det. Limit	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Tetrachloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
Toluene	BDL	5.0	ug/l		8260C	10/02/14	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,1,1-Trichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,1,2-Trichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Trichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
Trichlorofluoromethane	BDL	5.0	ug/l		8260C	10/02/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Vinyl chloride	BDL	1.0	ug/l		8260C	10/02/14	1
o-Xylene	1.2	1.0	ug/l		8260C	10/02/14	1
m&p-Xylenes	BDL	2.0	ug/l		8260C	10/02/14	1
n-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
sec-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
tert-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
p-Isopropyltoluene	BDL	1.0	ug/l		8260C	10/02/14	1
n-Propylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Surrogate Recovery							
Toluene-d8	99.1		% Rec.		8260C	10/02/14	1
Dibromofluoromethane	102.		% Rec.		8260C	10/02/14	1
a,a,a-Trifluorotoluene	106.		% Rec.		8260C	10/02/14	1
4-Bromofluorobenzene	96.5		% Rec.		8260C	10/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Ms. Ann Aquilina
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

October 02,2014

ESC Sample # : L723838-03

Date Received : September 25, 2014
Description : City of Rochester

Site ID :

Sample ID : MW-04

Project # : 214683

Collected By : Ann Aquilina
Collection Date : 09/23/14 13:55

Parameter	Result	Det. Limit	Units	Qualifier	Method	Date	Dil.
Volatile Organics							
Acetone	BDL	50.	ug/l		8260C	10/02/14	1
Benzene	BDL	1.0	ug/l		8260C	10/02/14	1
Bromochloromethane	BDL	1.0	ug/l		8260C	10/02/14	1
Bromodichloromethane	BDL	1.0	ug/l		8260C	10/02/14	1
Bromoform	BDL	1.0	ug/l		8260C	10/02/14	1
Bromomethane	BDL	5.0	ug/l		8260C	10/02/14	1
Carbon disulfide	BDL	1.0	ug/l		8260C	10/02/14	1
Carbon tetrachloride	BDL	1.0	ug/l		8260C	10/02/14	1
Chlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Chlorodibromomethane	BDL	1.0	ug/l		8260C	10/02/14	1
Chloroethane	BDL	5.0	ug/l		8260C	10/02/14	1
Chloroform	BDL	5.0	ug/l		8260C	10/02/14	1
Chloromethane	BDL	2.5	ug/l		8260C	10/02/14	1
Cyclohexane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dibromo-3-Chloropropane	BDL	5.0	ug/l		8260C	10/02/14	1
1,2-Dibromoethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,3-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,4-Dichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Dichlorodifluoromethane	BDL	5.0	ug/l		8260C	10/02/14	1
1,1-Dichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,1-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2-Dichloropropane	BDL	1.0	ug/l		8260C	10/02/14	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l		8260C	10/02/14	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l		8260C	10/02/14	1
Ethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
2-Hexanone	BDL	10.	ug/l		8260C	10/02/14	1
Isopropylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
2-Butanone (MEK)	BDL	10.	ug/l		8260C	10/02/14	1
Methyl Acetate	BDL	20.	ug/l		8260C	10/02/14	1
Methyl Cyclohexane	BDL	1.0	ug/l		8260C	10/02/14	1
Methylene Chloride	BDL	5.0	ug/l		8260C	10/02/14	1
4-Methyl-2-pentanone (MIBK)	BDL	10.	ug/l		8260C	10/02/14	1
Methyl tert-butyl ether	BDL	1.0	ug/l		8260C	10/02/14	1
Naphthalene	BDL	5.0	ug/l		8260C	10/02/14	1
Styrene	BDL	1.0	ug/l		8260C	10/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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ESC Sample # : L723838-03

Date Received : September 25, 2014
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Collected By : Ann Aquilina
Collection Date : 09/23/14 13:55

Parameter	Result	Det. Limit	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Tetrachloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
Toluene	BDL	5.0	ug/l		8260C	10/02/14	1
1,2,3-Trichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,2,4-Trichlorobenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,1,1-Trichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
1,1,2-Trichloroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Trichloroethene	BDL	1.0	ug/l		8260C	10/02/14	1
Trichlorofluoromethane	BDL	5.0	ug/l		8260C	10/02/14	1
1,1,2-Trichlorotrifluoroethane	BDL	1.0	ug/l		8260C	10/02/14	1
Vinyl chloride	BDL	1.0	ug/l		8260C	10/02/14	1
o-Xylene	BDL	1.0	ug/l		8260C	10/02/14	1
m&p-Xylenes	BDL	2.0	ug/l		8260C	10/02/14	1
n-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
sec-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
tert-Butylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
p-Isopropyltoluene	BDL	1.0	ug/l		8260C	10/02/14	1
n-Propylbenzene	1.2	1.0	ug/l		8260C	10/02/14	1
1,2,4-Trimethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
1,3,5-Trimethylbenzene	BDL	1.0	ug/l		8260C	10/02/14	1
Surrogate Recovery							
Toluene-d8	101.		% Rec.		8260C	10/02/14	1
Dibromofluoromethane	102.		% Rec.		8260C	10/02/14	1
a,a,a-Trifluorotoluene	105.		% Rec.		8260C	10/02/14	1
4-Bromofluorobenzene	99.6		% Rec.		8260C	10/02/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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APPENDIX 3

Previous Phase II ESA Data Tables

Table 1

Phase II Environmental Site Assessment
177 University Avenue, Rochester, New York
Rochester, New York

Summary of Detected Volatile Organic Compounds (VOCs) in Soil
Test Results in Micrograms per Kilogram (µg/Kg) or Parts Per Billion (PPB)

Constituent	Soil Boring ID and Sample Depth						NSYDEC Part 375 Protection of Groundwater Soil Cleanup Obejctives	NSYDEC Part 375 Restricted Residential Soil Cleanup Objectives	NSYDEC Part 375 Commercial Soil Cleanup Objectives
	B-16 (8.0'-11.7')	B-16 (8.0'-11.7') Dilution	B-14 (4.0'-8.0')	B-15 (4.0'-8.0')	B-19 (4.0'-8.0')	B-3A (8.0'-10.0')			
Acetone	550	ND<1,400 U	ND<5.9 U	8.9	36	NA	50	100,000	500,000
n-Butylbenzene	6,800	6,300 D	2.8 J	ND<5.7 U	ND<6.6 U	480	12,000	NA	NA
sec-Butylbenzene	1,500	1,500 D	ND<5.9 U	ND<5.7 U	ND<6.6 U	230	11,000	100,000	500,000
Chloroform	340 J	ND<1,400 U	ND<5.9 U	ND<5.7 U	ND<6.6 U	NA	370	49,000	350,000
Ethylbenzene	1,400	1,500 D	ND<5.9 U	ND<5.7 U	ND<6.6 U	ND<58 U	1,000	41,000	390,000
n-Propylbenzene	4,800	4,700 D	ND<5.9 U	ND<5.7 U	ND<6.6 U	370	3,900	100,000	500,000
Isopropylbenzene	1,300	1,300 DJ	ND<5.9 U	ND<5.7 U	ND<6.6 U	67	2,300*	NA	NA
Naphthalene	1,900	1,900 D	ND<5.9 U	ND<5.7 U	ND<6.6 U	ND<58	12,000	100,000	500,000
4-isopropyltoluene	1,300	1,300 DJ	1.4 J	ND<5.7 U	ND<6.6 U	150	10,000	NA	NA
1,2,4-Trimethylbenzene	25,000 E	26,000 D	ND<5.9 U	ND<5.7 U	ND<6.6 U	1,100	3,600	52,000	190,000
1,3,5-Trimethylbenzene	6,000	6,200 D	10	ND<5.7 U	ND<6.6 U	37 J	8,400	52,000	190,000
m,p-Xylene	3,800	4,200 D	ND<5.9 U	ND<5.7 U	ND<6.6 U	ND<58	NA	NA	NA
o-Xylene	500	570 DJ	1.6 J	ND<5.7 U	ND<6.6 U	ND<58	NA	NA	NA
Total Xylenes	4,300	4,700 D	1.6 J	ND<5.7 U	ND<6.6 U	14 BJ	1,600	100,000	500,000
Total VOCs	59,490 E,J	60,170 D, J	17.4 J	8.9	None Detected	2,448 B,J	*NA*	*NA*	*NA*
Total VOC TICs	129,900	202,000	None Detected	None Detected	None Detected	NA			
Total VOCs & VOC TICs	189,390	262,170	17.4	8.9	None Detected	2,448			

Notes:
VOC analysis by United States Environmental Protection Agency (USEPA) Method 8260B
NA denotes not applicable
ND<6.6 denotes that the constituent was not detected above the reported laboratory method detection limit.
J denotes that the constituent was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample.
E denotes that the associated compound concentration exceeded the calibration range of the instrument.
D denotes that the analyte was quantitated from a diluted analysis.
Underlined denotes concentration that exceeds its assocaited NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectve
Bold type denotes concentration that exceeds its associated NYSDEC Part 375 Restricted Residential Soil Cleanup Objective
Highlight denotes concentration that exceeds its associated NYSDEC Part 375 Commercial Use Soil Cleanup Objective
* Denotes CP-51 Soil Cleanup Level

Table 2

Phase II Environmental Site Assessment
177 University Avenue
Rochester, New York

Summary of Detected Semi-Volatile Organic Compounds (SVOCs) in Soil
Test Results in Micrograms per Kilogram (µg/Kg) or Parts Per Billion (PPB)

Constituent	Soil Boring ID and Sample Depth								NSYDEC Part 375 Restricted Residential Soil Cleanup Objectives	NSYDEC Part 375 Commercial Soil Cleanup Objectives
	B-16 (8.0'-11.7')	B-14 (4.0'-8.0')	B-15 (4.0'-8.0')	B-19 (4.0'-8.0')	B-10 (8.0'-8.3')	B-11 (11.2'-11.7')	B-12 (10.1'-10.8')	B-13 (8.0'-9.9')		
Naphthalene	490	110 J	ND<360 U	ND<410 U	ND<390 U	ND<370 U	260 J	ND<390 U	100,000	500,000
Phenanthrene	170 J	480	ND<360 U	ND<410 U	130 J	ND<370 U	620	ND<390 U	100,000	500,000
Fluoranthene	ND<380 U	590	ND<360 U	ND<410 U	420	ND<370 U	ND<380 U	ND<390 U	100,000	500,000
Pyrene	130 J	330 J	ND<360 U	ND<410 U	170 J	ND<370 U	250 J	ND<390 U	100,000	500,000
Benzo (a) anthracene	ND<380 U	100 J	ND<360 U	ND<410 U	ND<390 U	ND<370 U	ND<380 U	ND<390 U	1,000	5,600
Chrysene	ND<380 U	210 J	ND<360 U	ND<410 U	210 J	ND<370 U	ND<380 U	ND<390 U	3,900	56,000
Benzo (b) fluoranthene	ND<380 U	100 J	ND<360 U	ND<410 U	130 J	ND<370 U	ND<380 U	ND<390 U	1,000	5,600
Benzo (k) fluoranthene	ND<380 U	ND<380 U	ND<360 U	ND<410 U	390 J	ND<370 U	ND<380 U	ND<390 U	3,900	56,000
Benzo (a) pyrene	ND<380 U	ND<380 U	ND<360 U	ND<410 U	280 J	ND<370 U	ND<380 U	ND<390 U	1,000	1,000
Indeno (1,2,3-cd) pyrene	ND<380 U	ND<380 U	ND<360 U	ND<410 U	130 J	ND<370 U	ND<380 U	ND<390 U	500	5,600
Benzo (g,h,i) perylene	ND<380 U	ND<380 U	ND<360 U	ND<410 U	210 J	ND<370 U	ND<380 U	ND<390 U	100,000	500,000
Total SVOCs	790 J	1,920 J	None Detected	None Detected	2,070 J	None Detected	1,130 J	None Detected	*NA*	*NA*

Notes:
SVOC analysis by United States Environmental Protection Agency (USEPA) Method 8270C
ND<370 denotes that the constituent was not detected above the reported laboratory method detection limit.
NA denotes not applicable
J denotes that the constituent was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample.
due to qualification through the method or field blank.
Bold type denotes concentration that exceeds its associated NYSDEC Part 375 Restricted Residential Soil Cleanup Objective
Highlight denotes concentration that exceeds its associated NYSDEC Part 375 Commercial Use Soil Cleanup Objective

Table 3

Phase II Environmental Site Assessment
177 University Avenue

Summary of Detected Polychlorinated Biphenyls (PCBs) in Soil
Test Results in Micrograms per Kilogram (µg/Kg) or Parts Per Billion (PPB)

Constituent	Soil Boring ID and Sample Depth										NSYDEC Part 375 Restricted Residential Soil Cleanup Objectives	NSYDEC Part 375 Commercial Soil Cleanup Objectives
	B-16 (8.0'-11.7')		B-10 (8.0'-8.3')		B-11 (11.2'-11.7')		B-12 (10.1'-10.8')		B-13 (8.0'-9.9')			
Aroclor 1016	ND<38	U	ND<39	U	ND<38	U	ND<38	U	ND<39	U	NA	NA
Aroclor 1221	ND<38	U	ND<39	U	ND<38	U	ND<38	U	ND<39	U	NA	NA
Aroclor 1232	ND<38	U	ND<39	U	ND<38	U	ND<38	U	ND<39	U	NA	NA
Aroclor 1242	ND<38	U	ND<39	U	ND<38	U	120	P	ND<39	U	NA	NA
Aroclor 1248	ND<38	U	ND<39	U	ND<38	U	ND<38	U	ND<39	U	NA	NA
Aroclor 1254	ND<38	U	ND<39	U	ND<38	U	ND<38	U	ND<39	U	NA	NA
Aroclor 1260	ND<38	U	ND<39	U	ND<38	U	ND<38	U	ND<39	U	NA	NA
Total PCBs	None Detected		None Detected		None Detected		120		None Detected		1000	1000

Notes:

PCB analysis by USEPA Method 8082.

ND<38 denotes that the constituent was not detected above the reported laboratory method detection limit.

P denotes that the percent difference between the primary and confirmation column for Aroclor analyses is greater than 25%.

Bold type denotes concentration that exceeds its associated NYSDEC Part 375 Restricted Residential Soil Cleanup Objective

Highlight denotes concentration that exceeds its associated NYSDEC Part 375 Commercial Use Soil Cleanup Objective

Table 4

Phase II Environmental Site Assessment
177 University Avenue
Rochester, New York

Summary of Detected Metals in Soil
Test Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Constituent	Soil Boring ID and Sample Depth						NSYDEC Part 375 Restricted Residential Soil Cleanup Objectives	NSYDEC Part 375 Commercial Soil Cleanup Objectives
	B-16 (8.0'-11.7')	B-19 (4.0'-8.0')	B-10 (8.0'-8.3')	B-11 (11.2'-11.7')	B-12 (10.1'-10.8')	B-13 (8.0'-9.9')		
Arsenic	4	5	4.5	2.7	3.4	7.8	16	16
Barium	39.7	51.4	49.5	15.4	32.5	45.9	400	400
Cadmium	0.36	0.21 B	0.33	0.14 B	0.22	0.35	4.3	9.3
Chromium	40.1	6.6	6.7	5.6	6.3	12	110	400
Lead	12.6	230	150	13.4	12	23.4	400	1,000
Mercury	0.055	0.33	0.16	0.018 B	0.02 B	0.044	0.81	2.8
Selenium	0.36 U	0.50 U	0.60 U	2.3	0.4 U	0.62	180	1,500
Silver	0.067 U	0.092 U	0.11 U	0.097 U	0.073 U	0.19	180	1,500

Notes:
Metals analysis by United States Environmental Protection Agency (USEPA) Methods 6010 & 7000.
much higher and typically range from 200-500 ppm.
U denotes that the constituent was not detected above the reported laboratory method detection limit.
B denotes that the constituent was detected in the associated method blank.
Bold type denotes concentration that exceeds NYSDEC Part 375 Soil Cleanup Objective
Highlighted type denotes that the concentration exceeds the USEPA Eastern USA Background Levels.

Table 5

Phase II Environmental Site Assessment
177 University Avenue, Rochester, New York
Rochester, New York

Summary of Detected Volatile Organic Compounds (VOCs) in Groundwater
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (PPB)

Constituent	Monitoring Well ID								NYSDEC Part 703 Groundwater Standards	NYSDEC Petroleum Spill Site Inactivation - Volatilization to Indoor Commercial Workers
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8		
Petroleum-related Volatile Organic Compounds										
Chloromethane	ND<500 U	ND<200 U	ND<50 U	ND<5 U	1.3 J	ND<5 U	ND<5 U	ND<5 U	NA	NA
Vinyl chloride	ND<500 U	ND<200 U	**13 J**	ND<5 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	2	NA
1,1-Dichloroethene	ND<500 U	ND<200 U	**19 J**	ND<5 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	5	NA
Acetone	ND<500 U	ND<200 U	**87**	ND<5 U	**54**	ND<5 U	14	5.7	50	NA
Carbon Disulfide	ND<500 U	ND<200 U	ND<50 U	ND<5 U	1.7 J	2.9 J	ND<5 U	ND<5 U	60	NA
1,1-Dichloroethane	ND<500 U	ND<200 U	**990**	ND<5 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	5	NA
2-Butanone	ND<500 U	ND<200 U	**55**	ND<5 U	12	6.3	ND<5 U	ND<5 U	50	NA
cis-1,2-Dichloroethene	ND<500 U	ND<200 U	**390**	ND<5 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	5	NA
1,1,1-Trichoroethane	ND<500 U	ND<200 U	**300**	ND<5 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	5	NA
Benzene	**1,500**	ND<200 U	ND<50 U	ND<5 U	**5.5**	ND<5 U	ND<5 U	ND<5 U	1	57.52
4-Methyl-2-pentanone	ND<500 U	ND<200 U	ND<50 U	ND<5 U	4.6 J	5.3	ND<5 U	ND<5 U	NA	NA
Toluene	**2,500**	ND<200 U	**35 J**	ND<5 U	2.5 J	ND<5 U	ND<5 U	ND<5 U	5	63,029
Ethylbenzene	**3,000**	**590**	ND<50 U	ND<5 U	2.6 J	ND<5 U	ND<5 U	ND<5 U	5	155,299
m,p-Xylene	**11,000**	**3,100**	**51**	ND<5 U	**110**	ND<5 U	ND<5 U	ND<5 U	5	51,316
o-Xylene	**3,200**	**350**	**28 J**	ND<5 U	**66**	ND<5 U	ND<5 U	ND<5 U	5	128,468
Total (Mixed) Xylenes	**14,000**	**3,500**	**79**	ND<5 U	**180**	ND<5 U	ND<5 U	ND<5 U	5	51,316
Isopropylbenzene	**160 J**	**100 J**	ND<50 U	ND<5 U	2 J	ND<5 U	ND<5 U	ND<5 U	5	831.79
n-Propylbenzene	**390 J**	**190 J**	ND<50 U	ND<5 U	3.9 J	ND<5 U	ND<5 U	ND<5 U	5	NA
1,3,5-Trimethylbenzene	**730**	**760**	**11 J**	ND<5 U	**7.3**	ND<5 U	ND<5 U	ND<5 U	5	48,944
1,2,4-Trimethylbenzene	**2,600**	**3,300**	**36 J**	ND<5 U	**31**	ND<5 U	ND<5 U	2.1 J	5	36,594
sec-Butylbenzene	ND<500 U	ND<200 U	ND<50 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	1.1 J	5	NA
n-Butylbenzene	ND<500 U	**80 J**	ND<50 U	ND<5 U	ND<5 U	ND<5 U	ND<5 U	2.1 J	5	NA
Naphthalene	**510**	**170 J**	**13 J**	ND<5 U	7.8	ND<5 U	ND<5 U	ND<5 U	10	7,859
Total VOCs	**40,090 J**	**12,140 J**	2,107 J	None Detected	492.2 J	14.5 J	14	11 J	*<10,000*	*NA*
Total VOCs TICS	7,260	6,730	None Detected	6.6	NA	NA	NA	NA		
Total VOCs & VOC TICs	**47,350**	**18,870**	2,107	6.6	492.2	14.5	14	11		

Notes:

VOC analysis by United States Environmental Protection Agency (USEPA) Method 8260B
NA denotes that a value is not available
ND<500 denotes that the constituent was not detected above the reported laboratory method detection limit.
J denotes that the constituent was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample.
Bold type denotes concentration that exceeds its associated NYSDEC Part 703 Groundwater Standard.
Bold and highlighted type denotes concentration that exceeds its associated NYSDEC Part 703 Groundwater Standard and its associated NYSDEC Petroleum Spill Site Inactivation-Volatilization to Indoor Commercial Workers

Table 6

Phase II Environmental Site Assessment
177 University Avenue
Rochester, New York

Summary of Detected Semi-Volatile Organic Compounds (SVOCs) in Groundwater
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (PPB)

Constituent	Monitoring Well ID						NYSDEC Part 703 Groundwater Standards
	MW-1	MW-1 Dilution	MW-2	MW-2 Dilution	MW-3	MW-4	
Naphthalene	**670 E**	**670 D**	**470 E**	**410 D**	**15**	ND<130 U	10
Acenanaphthalene	1.6 J	ND<100 U	2.3 J	ND<50 U	ND<10 U	ND<130 U	20
Fluorene	1.7 J	ND<100 U	3.2 J	ND<50 U	ND<10 U	ND<130 U	50
Phenanthrene	3.6 J	ND<100 U	5.7 J	5.8 D, J	20	ND<130 U	50
Fluoranthene	1.4 J	ND<100 U	1.5 J	ND<50 U	ND<10 U	ND<130 U	50
Pyrene	1.5 J	ND<100 U	1.5 J	ND<50 U	ND<10 U	ND<130 U	50
Chrysene	ND<10 U	ND<100 U	ND<10 U	ND<50 U	2.3 J	ND<130 U	50
Benzo(b) fluoranthene	ND<10 U	ND<100 U	ND<10 U	ND<50 U	2.3 J	ND<130 U	50.000
Total SVOCs	680 J, E	670 D	484 J, E	419 D, J	40 J	None Detected	*Not Available*

Notes:
SVOC analysis by United States Environmental Protection Agency (USEPA) Method 8270C
ND<10 denotes that the constituent was not detected above the reported laboratory method detection limit.
J denotes that the constituent was positively identified; but the associated numerical value is the approximate concentration of the analyte in the sample.
E denotes that the associated compound concentration exceeded the calibration range of the instrument.
D denotes that the analyte was quantitated from a diluted analysis.
Bold type denotes that the constituent exceeds its associated NYSDEC Part 703 Groundwater Standard.

Table 7

Phase II Environmental Site Assessment
177 University Avenue

Summary of Detected Polychlorinated Biphenyls (PCBs) in Groundwater
Test Results in Micrograms per Liter (µg/L) or Parts Per Billion (PPB)

Constituent	Monitoring Well ID		NYSDEC Part 703 Groundwater Standards
	MW-3		
Aroclor 1016	1.0	U	NA
Aroclor 1221	1.0	U	NA
Aroclor 1232	1.0	U	NA
Aroclor 1242	4.9		NA
Aroclor 1248	1.0	U	NA
Aroclor 1254	1.0	U	NA
Aroclor 1260	1.0	U	NA
Total	**4.9**		0.09

Notes:
PCB analysis by USEPA Method 8082.
ND<1.0 denotes that the constituent was not detected above the reported laboratory method detection limit.
Bold indicates exceeds NYSDEC Part 703 Groundwater Quality Standards