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

Phase II
Environmental Site Assessment

Location:

Corning Hospital and Associated Parcels
Corning, New York

Prepared for:

Corning Hospital
One Guthrie Square
Sayre, PA 18840

LaBella Project No. 2150606

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1.0 INTRODUCTION

LaBella Associates, D.P.C. ("LaBella") was retained by Corning Hospital to conduct a Phase II Environmental Site Assessment (ESA) at the former Corning Hospital addressed as 176 Denison Parkway East and eight associated parcels addressed as 132 Denison Parkway East, 129 Chemung Street, 144 East First Street, an unnumbered parcel identified as Former Pearl Street and located adjacent to the east of 176 Denison Parkway East, 202 Denison Parkway East, 210 Denison Parkway East, 210 Denison Parkway East (rear), and 201 East First Street, in the City of Corning, Steuben County, New York, hereinafter referred to as the "Site" (refer to 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 P150628 dated April 14th, 2015.

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.

2.0 BACKGROUND

2.1 Site Description & Features

The following table includes a summary of the existing conditions at the nine parcels that comprise the Site.

Parcel	Acres (+/-)	Current Use	Structures	Year Built
176 Denison Parkway East	4.05	Hospital (vacant)	- 166,292 square feet hospital - 5,172 square feet storage	- Early 1900s (Section A) - 1920s (Powerhouse) - 1950 (Section B) - 1960s (Section C) - 1990s (Section D)
132 Denison Parkway East	0.53	Automobile Shop (vacant)	- 1,296 square feet auto repair shop	1960

129 Chemung Street	0.09	Parking Lot	None	N/A
144 East First Street	0.11	Residential (vacant)	- 5,364 square feet residence	1900
Former Pearl Street	0.51	Parking Lot	None	N/A
202 Denison Parkway East	0.24	Parking Lot	None	N/A
210 Denison Parkway East	0.22	Parking Lot	None	N/A
210 Denison Parkway East (rear)	0.06	Parking Lot	None	N/A
201 East First Street	0.72	Commercial Land (vacant)	None	N/A

Notes:
Acreage figures obtained from Steuben County and City of Corning Tax Maps

2.2 Physical Setting

The Site parcels are located on Denison Parkway East between Wall Street and Columbia Street, Chemung Street between Denison Parkway East and Cintra Lane East, and East First Street between Wall Street and Columbia Street in the City of Corning, Steuben County, New York within an urban area that consists of a mix of residential and commercial properties. The Chemung River is located approximately 0.15 miles to the north of the Site.

2.3 Site History & Land Use

LaBella reviewed a Phase I ESA completed by Stantec dated March 27th, 2014 for Corning Hospital and associated parcels which consisted of an assessment of nineteen parcels, including the nine parcels evaluated in this Phase II ESA. The following historic information was obtained from review of the Phase I ESA.

<u>176 Denison Parkway East:</u>
Residential structures occupied portions of this parcel from at least 1888 to at least 1968. Since approximately 1905, portions of this parcel operated as Corning Hospital with additions constructed in the 1920s, 1950s, 1960s, and 1990s. The hospital was in operation until 2014 at which time the facility was moved to a different location. Additional former uses include a railroad in the northeast portion of the parcel from approximately 1888 through the 1950s, Corning Machine Co. in at least 1908, a tin shop/plumber from at least the early 1920s through the late 1940s, and a gasoline filling station in the northeast corner of the parcel in at least 1930. In 1998, a 10,000 gallon fiberglass underground storage tank (UST) used to store fuel oil replaced a 15,000 gallon UST installed in the 1960s to the east of the Powerhouse Building. A 1,000 gallon above ground storage tank (AST) used to store fuel oil is located in the Powerhouse Building. A drawing from 1949 indicated an abandoned dry well was located near the center of the former hospital.

Currently the facility is vacant with the exception of essential maintenance activities (operation of heating system during winter and routine maintenance activities). The facility has a groundwater extraction well for non-contact cooling water and a foundation drain system dewaters groundwater around the building basement to a central sump where it is pumped to the storm sewer.

132 Denison Parkway East
Residential structures occupied this parcel from at least 1888 through the late 1950s. This parcel operated as a gasoline filling station/service station from approximately 1958 until the 1970s and the building is currently used as storage by Corning Hospital. Permit records indicate three 10,000 gallon USTs were installed. No additional information regarding these USTs was obtained.

Currently the building on this parcel is vacant and only utilized for storage.

129 Chemung Street
A residential structure occupied this parcel from at least 1888 until 2000. Since 2001, this parcel has been utilized as a parking lot and is currently vacant.

144 East First Street
A residential structure has occupied this parcel since at least 1893 and is currently unoccupied.

Former Pearl Street
This parcel has operated as a street beginning in at least 1888. A railroad transected this parcel from at least 1888 through the1950s. Currently this parcel is being utilized as a street.

202 Denison Parkway East
A railroad transected this parcel from at least 1888 through the 1950s. A residential structure occupied this parcel from at least 1888 to at least 2004 which was also utilized as a dentist's office following 1974. The residence was demolished in 2004. This parcel is currently vacant.

210 Denison Parkway East
A residential structure occupied this parcel from at least 1888 until 1997 at which time it was demolished. This parcel is currently vacant.

210 Denison Parkway East (rear)
A railroad transected this parcel from at least 1888 through the 1950s. This parcel is currently vacant.

201 East First Street
Residential structures occupied this parcel from at least 1888 until the 1960s. A railroad transected this parcel from at least 1888 through the 1950s. A gasoline filling station occupied the southwest portion of this parcel in at least 1948. Permit records indicate structures at this parcel were demolished in 1968, and 2007. This parcel is currently vacant.

Refer to Figure 2 for locations of these historic uses. Several of these uses were identified as Recognized Environmental Concerns (RECs) in the Phase I ESA completed by Stantec in 2014 (refer to section 2.5). Not all of the uses listed above were identified as RECs in the Phase I ESA, but may represent a potential for subsurface impacts.

2.4 Adjacent Property Use

The Site has been surrounded by residential and commercial properties since at least 1888. The Site is bordered by the following uses:

Direction	Land Use
North	Commercial/Civic (City Hall, Police Department, Hotel)
East	Residential, Commercial (Doctors' offices, Nursing Home)
South	Residential
West	Residential, Commercial (Laundry)

It should be noted that a laundry facility is located adjacent to the west of 132 Denison Parkway East; however, at the time of the Phase II ESA, the facility did not appear to provide dry cleaning services.

2.5 Summary of Previous Environmental Studies

The following environmental reports relevant to the parcels comprising the Site were available for review:

- Soil Boring Report, 1991 (Appendices only)
- *Phase I Environmental Hazard Audit* by The Sear-Brown Group dated September 17th, 1991
- *Soil Core Investigation* by The Sear-Brown Group dated September 24th, 1997 (appendices including laboratory data not available for review).
- *Underground Storage Tank Removal and Remediation* by the Sear-Brown Group dated October 30th, 1998 (appendices including laboratory data not available for review).
- *SPDES Permitting Review* by the Sear-Brown Group dated March 10th, 1998
- *Corning Hospital and Associated Parcels Phase I Environmental Site Assessment* by Stantec Consulting Services Inc. dated March 27th, 2014

In addition, LaBella reviewed architectural drawings for the former Corning Hospital at 176 Denison Parkway East to identify additional information regarding environmental concerns, in particular, the "dry well" noted in the Phase I ESA by Stantec. A drawing from 1949 indicated the location of an abandoned dry well to be located near the center of the building (refer to Figure 2 for approximate location).

A summary of the environmental reports reviewed by LaBella is included below.

<u>Soil Boring Report 1991</u>
An investigation was completed in 1991 prior to constructing the easternmost building addition of the former Corning Hospital (Section D). Appendices from the report were provided to LaBella for review, which include a figure showing boring locations, and soil boring logs. Eight soil borings were completed on the eastern portion of 176 Denison Parkway East to depths ranging from 28-feet to 32-feet below ground surface (bgs). Approximate locations of these borings are included on Figure 4. Fill material was encountered in all eight borings at depths up to 9-feet bgs.

<u>*Phase I Environmental Hazard Audit 1991*</u>
This environmental study included a Phase I Audit for 176 Denison Parkway East, 205 East First Street (not included in this Phase II ESA) and 201 East First Street. A summary of the findings is as follows:

- Asbestos containing material (ACM) was noted in buildings at all three parcels
- Radon gas was detected at levels slightly above United States Environmental Protection Agency (USEPA) action levels at one location in the central part of the former Corning Hospital
- Tank testing was recommended to determine the volume of the fuel oil UST at 176 Denison Parkway East due to discrepancies in tank records and recorded volumes (this UST was replaced in 1998).
- Removal of light ballasts that contain possible PCBs was recommended.

- A report from 1984 *Preliminary Contamination Investigation* investigated volatile organic compound (VOC)-contamination in Corning's drinking water supply. The report determined the contamination was present south of the Chemung River. The source of drinking water at the Site is north of the Chemung River and it was determined that the contaminated aquifer does not pose a health threat to the subject properties. In addition, the 1984 Report also referenced samples of groundwater from the extraction well (see below) with concentrations of trichloroethene (TCE) at 58 parts per billion (ppb) and 35 ppb.

Soil Core Investigation 1997
A soil core investigation was conducted in proximity to the former UST to the east of the Powerhouse Building located at 176 Denison Parkway East. Six soil borings were advanced to 12-feet bgs to evaluate the presence of petroleum-impacted soils as a result of a release from the UST. The investigation determined that petroleum impacts were present at depths of 5.5-feet to 12-feet bgs and New York State Department of Environmental Conservation (NYSDEC) Spill #9705200 was opened on July 30th, 1997. The report recommended a tightness test be completed to evaluate the potential for a leak in the UST and/or associated piping. It should be noted that the appendices from this report containing analytical reports and data summary tables were not provided to LaBella for review.

Underground Storage Tank Removal and Remediation 1998
Following the soil core investigation, the 15,000 gallon UST was removed and replaced with a 10,000 gallon fiberglass UST used to store fuel oil in 1998. Tank contents of the 15,000 gallon UST were removed using a vac-truck and disposed of at an approved facility. The tank was excavated, removed, stored on polyethylene sheeting, and recycled at an approved facility. Soils from the excavation exhibiting photoionization detector (PID) readings above 5 milligrams per kilogram (mg/kg) or parts per million (ppm), totaling 384 tons of soil, were removed and disposed of at an approved facility. Confirmatory soil samples were collected from the excavation and resulted in one slight exceedance of benzene above NYSDEC TCLP Extraction Guidance Values from the east sidewall. Following tank removal, the Sear-Brown Group requested closure of NYSDEC spill #9705200 and the spill was closed on January 5th, 1999. It should be noted that the appendices from this report containing analytical reports and data summary tables were not provided to LaBella for review (i.e., the above information was provided in the text of the report).

The existing 10,000 gallon fiberglass UST was installed in the same location as the former 15,000 gallon UST. According to Corning Hospital personnel, approximately 6,000 gallons of fuel oil remain in the existing UST.

SPDES Permitting Review 1998
In 1998, the Sear Brown Group completed a review of the State Pollutant Discharge Elimination System (SPDES) permit requirements for the former Corning Hospital at 176 Denison Parkway East. One groundwater extraction/supply well is present at 176 Denison Parkway East to supply the former Corning Hospital with non-contact cooling water and discharged to the storm sewer after use. It should be noted that a second well is also present and is utilized as an injection well during large rain events when the storm sewer capacity is overloaded. The report recommended Corning Hospital determine the flow rate of groundwater influent and effluent, sample the groundwater at the groundwater supply/extraction well to determine if contaminants are present, and pursue obtaining a SPDES permit.

Phase I ESA 2014
In 2014, Stantec conducted a Phase I ESA for Corning Hospital which included nineteen parcels. Nine Recognized Environmental Conditions (RECs) were identified, all of which are associated with parcels investigated as part of this Phase II ESA. The following table summarizes the RECs and indicates which subject parcels each REC is associated with. Refer to Figure 2 for more specific locations associated with these RECs.

REC #	SUMMARY OF REC	176 Denison Parkway East	132 Denison Parkway East	201 East First Street	202 Denison Parkway East	210 Denison Parkway East	210 Denison Parkway East (rear)	Former Pearl Street	144 East First Street
1	Former Railroad (1888-1960s)	X		X	X	X	X	X	
2	Three former gasoline filling stations	X	X	X					
3	In ground lifts and trench drain		X						
4	Historic uses as machine shop, tin shop, plumber (1920s-1940s)	X							
5	Note from 1949 indicating presence of fuel oil UST	X							
6	Dry well noted on 1949 and 1965 drawings	X							
7	Laundry facility since 1930s	X							
8	Potential UST								X
9	Detection of benzene during tank removal in 1998	X							

Agency records included as an Appendix to the Phase I ESA indicate that trichloroethene (TCE) is present in portions of the aquifer throughout the City of Corning, and air strippers are in operation on backup public drinking water supply wells. The Phase I ESA indicates that samples of discharge water collected from February 2013 through January 2014 detected TCE at concentrations ranging from below laboratory detection limits to 38.8 micrograms per liter (μg/L) or parts per billion (ppb). A SPDES permit included in an Appendix to the Phase I ESA indicates a discharge of 600,000 gallons per day (GPD) of non-contact cooling water and a maximum allowable concentration of 270 ppb TCE in discharge water to the Chemung River.

3.0 OBJECTIVE

The objective of this Phase II ESA was to evaluate subsurface conditions based on the RECs identified from the Phase I ESA. Each of the eight parcels where RECs were identified in the Phase I ESA is included in this Phase II ESA. In addition, 129 Chemung Street was included due to its proximity to the former gasoline station at 132 Denison Parkway East.

4.0 SCOPE OF WORK

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

1. Prior to the initiation of subsurface work, underground utility stake-outs, via *Dig Safely New York*, were completed at the Site (ticket numbers 04205-186-081 through 04205-186-088) to locate utilities in the areas where the subsurface assessment would take place.
2. A direct push soil boring and sampling program of the overburden at the Site was implemented.

Initially, soil borings were advanced with a track-mounted Geoprobe® Systems Model 54LT direct-push sampling system. Due to early refusal in some locations additional equipment was also utilized (see below). 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 29 soil borings (SB-01 through SB-26, excluding SB-21, in addition to SB-08A, SB-13A, and SB-14A where shallow refusal warranted off-setting the original borings) were advanced at the Site with the 54LT Geoprobe to depths ranging from 8-feet to 24-feet bgs.

3. One soil boring (SB-21) was advanced manually to a depth of 9-feet bgs using a 2-foot MacroCore® sampler and a jackhammer.

4. Due to shallow refusal with the Geoprobe® Systems Model 54LT at 132 Denison Parkway East, two soil borings (SB-27/MW-05 and SB-28/MW-06) were advanced using a rotary drill rig to 25-feet bgs. Augers were decontaminated between boring locations using an alconox and potable water solution. The same drill rig was used to advance SB-32 through SB-35 at 176 Denison Parkway East to 4-feet bgs using split spoon sampling methods.

5. Three interior soil borings (SB-29, SB-30, and SB-31/MW-11) were advanced with a Geoprobe® Systems Model 420M using a 2-foot and 4-foot MacroCore® sampler. The MacroCore® sampler was decontaminated between boring locations using an alconox and potable water solution.

6. Seven test pits were advanced to depths ranging from 4-feet to 7-feet bgs using a Takeuchi mini-excavator to evaluate the subsurface for the presence of fill materials. A test pit photograph log is included as Appendix 4.

7. Soils from the borings and test pits (with the exception of SB-27/MW-05 and SB-28/MW-06 which were advanced to 25-feet bgs for the purpose of installing two groundwater monitoring wells) were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable VOCs with a MiniRAE 3000 PID. Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.” In addition, soils were continuously screened with an x-ray fluorescence (XRF) analyzer for detection of metals. A Ludlum 2241-2 RK Digital Ratemeter was used to screen soils retrieved from within the former Corning Hospital building for detection of radiation.

8. Thirteen soil borings were converted to 1-inch diameter temporary overburden groundwater monitoring wells. Each well was completed with 5-feet or 10-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-foot above the screen section. A 1-foot bentonite seal was placed above the sand pack. Protective casings were placed on all wells outside of the fenced in area at 176 Denison Parkway East. Wells installed at 176 Denison Parkway East were cut to the ground surface completed with a PVC cap.

9. Monitoring wells were developed by purging three well volumes or evacuating all the water in the well; whichever occurred first. Monitoring wells were left to recharge for a minimum of 24-hours prior to sampling.

10. Eleven monitoring wells were sampled using modified low-flow techniques (i.e., peristaltic pump) and the following parameters were recorded in 5-minute intervals until the well was stabilized within the specified parameters or until the well ran dry:

- pH (+/- 0.1)

- temperature
- conductivity (+/-3%)
- turbidity (<50 NTU)
- dissolved oxygen (+/-10%)
- redox potential (+/-10 mV)
- depth to groundwater

11. Soil borings and monitoring wells were surveyed by a licensed surveyor using a Topcon GPS with a vertical accuracy of 0.04 feet and a horizontal accuracy of 0.02 feet (note that SB-30 was not surveyed due to its location and the location shown on Figure 3 is approximate).

12. Soil and groundwater samples were placed in a cooler on ice and sent under standard chain of custody procedures to Spectrum Analytical in Agawam, Massachusetts. The following laboratory analysis was performed:

    a. Soil

PARCEL	SOIL BORING ID	SAMPLE DEPTH (ft.)	LABORATORY ANALYSIS					
			VOCs	SVOCs	Metals	Cyanide	Pesticides	PBCs
176 Denison Parkway East	SB-01	3-4		X	X	X		
	SB-02	10.6-11.6	X					
	SB-03	3-4	X	X	X	X	X	X
	SB-04	14-16	X					
	SB-05	7-8		X	X	X		
	SB-06	5-6		X	X	X		
	SB-07	19-20	X					
	SB-22	5-6			X			
	SB-22	19-20	X					
	SB-23	17-18	X					
	SB-35	0-4			X			
	*TP-02	5.5			X			
	**TP-03	2			X			
	TP-04	2.5		X	X			
	TP-05	3			X			
	TP-06	1.5			X			
	TP-07	3		X	X			
132 Denison Parkway East	SB-08A	9-10.4		X				
	SB-09	2-3		X	X	X		
	SB-09	8-10.4	X					
129 Chemung Street	SB-10	4-5			X			
144 East First Street	SB-25	20-24	X					
Former Pearl Street	SB-20	7-8			X			
202 Denison Parkway East	SB-16	7-8	X	X	X	X	X	X
210 Denison Parkway East	SB-15	2-3		X	X			

210 Denison Parkway East (rear)	-							
201 East First Street	SB-17	2.5-3.5		X	X			
	SB-17	6-8		X	X			
	SB-18	1-3	X					
TOTAL			**10**	**12**	**19**	**6**	**2**	**2**

Notes:
**indicates the sample was analyzed for mercury and lead only*
***indicates the sample was analyzed for cadmium only*
BGS indicates below ground surface

b. Groundwater

			LABORATORY ANALYSIS					
PARCEL	**WELL ID**	**SCREENED INTERVAL (ft.)**	**VOCs**	**SVOCs**	**Metals**	**Cyanide**	**Pesticides**	**PBCs**
176 Denison Parkway East	*MW-01	11-16						
	*MW-02	6-11						
	MW-03	7.5-17.5	X					
	MW-04	9-19	X					
	MW-07	8-18	X	X	X	X	X	X
	MW-11	7-17	X					
	MW-13	12-22	X					
	Sump-1	-	X					
132 Denison Parkway East	MW-05	15-25	X					
	MW-06	15-25	X					
129 Chemung Street	-	-						
144 East First Street	MW-12	12-22	X					
Former Pearl Street	-	-						
202 Denison Parkway East	MW-08	9-19	X					
210 Denison Parkway East	-	-						
210 Denison Parkway East (rear)	-	-						
201 East First Street	MW-09	8-18	X					
	MW-10	9-19	X					
TOTAL			**12**	**1**	**1**	**1**	**1**	**1**

Notes:
**Indicates the well was dry and a water sample was not obtained*
The sump sample (Sump-1) was collected using a bailer; groundwater quality parameters were not collected
“Screened interval” indicates the approximate depths of each well where slotted PVC was installed and the approximate depths of groundwater samples collected

The following analytical laboratory methods were used.

- United States Environmental Protection Agency (USEPA) Target Compound List (TCL) and NYSDEC Commissioner Policy List (CP-51) volatile organic compounds (VOCs) by USEPA Method 8260
- TCL and CP-51 semi-volatile organic compounds (SVOCs) by USEPA Method 8270
- Resource Conservation and Recovery Act (RCRA) Metals by USEPA Methods 6010/7470 and Cyanide by USEPA Method 9012
- Pesticides by USEPA Method 8081
- Polychlorinated biphenyls by USEPA Method 8082

5.0 FINDINGS

5.1 Testing Locations & Field Observations

<u>176 Denison Parkway East</u>

The testing locations at this parcel were completed to assess the following specific areas of potential subsurface impacts and to evaluate the general site-wide subsurface conditions:

- **<u>Former Gasoline filling station in the northeast corner</u> -** SB-01/MW-01, SB-02/MW-02, and SB-03 were advanced in the location of the former gasoline filling station in the northeast corner of this parcel. Light brown fine sand, potentially indicative of fill material in a former tank pit was identified in SB-02 at 8-feet to 10-feet bgs. Evidence of impairment (i.e., elevated PID readings, odors, and/or staining) was not identified in this location during boring advancement.

- **<u>Former and Existing UST</u>** - SB-04/MW-03 and SB-05 were installed in the location of the former 15,000 gallon fuel oil UST and existing 10,000 gallon fuel oil UST. Evidence of petroleum impacts was not identified in this location. Note that a metal plate is installed in the sidewalk just north of the UST labeled “Monitoring Well”. The casing was accessed in anticipation of sampling the “well”; however, this casing holds electrical wiring and is not a groundwater monitoring well.

- **<u>Potential historic petroleum spill</u> -** According to Corning Hospital personnel, during installation of a subsurface utility north of the Powerhouse Building, evidence of petroleum impacts were encountered in the soils (i.e., petroleum-like odors). SB-06 and SB-07/MW-04 were installed to evaluate the apparent petroleum impacts in this location; however, subsurface utilities in this area (electric and gas services) limited safe accessibility. As such, these borings were advanced in the nearest safely accessible areas and not directly adjacent the utilities where impacts were reported. Evidence of impairment was not identified during advancement of these two borings.

- **<u>Former Waste Storage & Laundry Area</u>** - SB-22 was advanced in the former waste storage area, and adjacent to the west of the former laundry room. Evidence of impairment was not identified in this area during boring advancement.

- **<u>Former Dry Well</u>** - SB-21 and SB-31/MW-07 were installed in proximity to the abandoned dry well as noted on the 1949 architectural drawing. Evidence of impairment was not identified during advancement of these two borings.

- **<u>Former Railroad</u>**- SB-32, SB-33, SB-34, and SB-35 were advanced to 4-feet bgs to evaluate the presence of shallow subsurface fill in the location of the former railroad. Fill material was encountered in one boring (SB-35).

- **<u>General Site Coverage</u>** – To evaluate the overall parcel subsurface conditions and potential fill materials at the Site (i.e., areas not associated with a historic use/location), four (4) soil borings and seven (7) test pits were advanced, two (2) monitoring wells were installed and a sample of water within a sump in the basement of the building was collected.

  The soil borings included SB-23, SB-24, SB-26, and SB- 29. Evidence of impairment was not encountered in these soil borings during advancement. MW-11 and MW-13 were installed in bore holes SB-23 and SB-26, respectively.

  Seven test pits (TP-01 through TP-07) were advanced in areas of the eastern portion of the Site to assess fill material identified in soil borings completed during the Phase II ESA (such as SB-35) and to assess fill materials reported in geotechnical soil borings advanced in 1991 by Atlantic Testing Laboratories, Limited prior to constructing Section D of the former Corning Hospital ('Section D' of the hospital is the eastern most addition). The 1991 soil borings are shown on Figure 4 and copies of the relevant portions of the geotechnical report are included in Appendix 3. Fill material was encountered in all seven test pits.

  A sump within the basement of the main hospital building appears to be connected to a foundation drain system. A sample of the water in the sump (Sump-1) was collected for VOC analysis. Corning Hospital maintenance staff indicated that the basement sump routinely operates and that two pumps are located within the sump. The pumps are rated for up to 450 gallons per minute and in the Spring one pump will often run continually and the second pump will cycle off and on. At the time of the Phase II ESA, there was a continuous flow of water into/pumped out of the sump, and the pumps were on intermittently. The sump pump reportedly discharges to the storm sewer. In addition, SB-30 was installed proximate the sump. Evidence of impairment was not identified in this location during boring advancement.

  In addition to above, a groundwater extraction well is located within the basement of the former main hospital building. The groundwater extraction well is permitted under a SPDES permit which indicates the groundwater extraction well operates with an average flowrate of 600,000 GPD (417 gallons per minute (GPM)). The groundwater extraction well is utilized for pumping groundwater to be used as non-contact cooling water for the hospital. The non-contact cooling water is reported to discharge to the storm sewer separate from the sump discussed above. As such, combined discharges to the storm sewer may approach 1,000 GPM during portions of the year.

<u>132 Denison Parkway East</u>

The testing locations at this parcel were completed to assess the following specific areas of potential subsurface impacts and to evaluate the general site-wide subsurface conditions:

- **<u>Former Gasoline Filling Station</u>**

  - *<u>Potential USTs-</u>* According to Corning Hospital personnel, the former USTs associated with the gasoline filling station at this parcel were located in the northwest corner of the parcel. SB-08, SB-08A, SB-14, SB-14A, and SB-27/MW-05 were advanced in the location of the apparent USTs. Evidence of impairment was not identified in this area during boring advancement.

- *Former Pump Island-* SB-09 and SB-28/MW-06 were advanced in the location of the former pump island on the eastern portion of this parcel. Evidence of impairment was not identified in this location during boring advancement.

- **In Ground Lifts-** Two in ground lifts were identified in the building at this parcel. SB-11 and SB-12 were advanced proximate each lift. Evidence of impairment was not identified. It should be noted that the trench drain referenced in the Phase I ESA conducted by Stantec in 2014 was not identified.

- **General Site Coverage-** SB-13 and SB-13A were installed to evaluate the potential for a UST associated with the former automobile shop and for general coverage. Evidence of impairment was not identified during boring advancement.

129 Chemung Street

- **Former Adjacent Property Use as Gasoline Filling Station**- SB-10 was advanced at this parcel to evaluate for the presence of impacts associated with the former gasoline filling station adjacent to the west at 132 Denison Parkway East. Evidence of impairment was not identified at this location during boring advancement.

144 East First Street

- **Apparent UST-** An apparent vent associated with a UST is present on the east side of the residence at this parcel. In addition, an apparent fill port is located approximately 6.5-feet from the vent. The depth from the ground surface to the bottom of the apparent UST was measured to be 8-feet. No liquids were present in the apparent UST and the fill port cap was not present. SB-25/MW-12 was advanced approximately 10-feet east of the apparent fill port to evaluate the presence of impacts associated with the apparent UST. Evidence of impairment was not identified in this location during boring advancement.

Former Pearl Street

- **Former Adjacent Property Use as Gasoline Filling Station-** SB-20 was advanced at this parcel to evaluate the presence of impacts associated with the former gasoline filling station adjacent to the east at 201 East First Street. Evidence of impairment was not identified at this location during boring advancement.

202 Denison Parkway East

- **Former Railroad**- SB-16/MW-08 was advanced at this parcel to evaluate for impacts associated with the former railroad that transected this parcel. Fill material was not present in this boring; however, fill material was present in the nearest soil borings (SB-15, SB-18, and SB-02/MW-02) surrounding SB-16/MW-08.

210 Denison Parkway East

- **Former Railroad-** SB-15 was advanced at this parcel to evaluate for impacts associated with the former railroad that transected this parcel. Fill material, specifically glass and brick, was present in this soil boring at 2-feet to 3.5-feet bgs.

201 East First Street

- **Former Gasoline Filling Station-** SB-17/MW-09, SB-18, and SB-19/MW-10 were advanced in the location of the former gasoline filling station that occupied this parcel. Evidence of impairment was identified in soils retrieved from SB-19 at 1.5-feet to 14-feet bgs.

5.1.1 Summary of Fill Material

Fill material was encountered at the followings parcels at the overall Site: 176 Denison Parkway East, 210 Denison Parkway East, 132 Denison Parkway East, and 201 East First Street. Specifically, fill materials were encountered in ten of the thirty-nine soil borings and all seven test pits advanced at the Site to depths of up to 9-feet bgs. Fill material encountered included ash, cinders, brick, concrete, metal, ceramic, glass and wood. The materials observed appear representative of industrial operations and likely include local industrial uses. In addition, a portion of the Site included a railroad and fill materials may also be representative of former railroad operations. It should also be noted that an apparent concrete floor slab indicative of a residential basement foundation was encountered in TP-04. Residential structures were historically located in this area and fill material encountered in this area is consistent with demolition debris.

Figure 4A indicates the inferred horizontal limits of subsurface fill material based on the work completed during this Phase II ESA. This area was determined based on locations where fill material was encountered and interpolated based on similar types of fill between locations. Based on the data obtained to date, fill material is generally not present beneath 9-feet bgs and is on average present from 2-feet to 5-feet bgs. Based on these data points, it is possible that 150,000 square feet of fill material 3-feet in thickness is present at the Site, which would equate to 450,000 cubic feet (16,667 cubic yards). It should be noted that this area (and thus volume) does not include the eastern portion of the former hospital building. It is unknown if the materials identified in the geotechnical borings in 1991 were removed or left in-place. In the event that fill materials were left in-place there may be additional fill beyond that estimated above.

Fill thickness contours are included on Figure 4. These contours were developed using the approximate thickness of fill material encountered in soil borings and test pits across the Site. Note that Figure 4 includes fill material encountered in the 1991 soil borings; it is unknown whether or not this material was removed during building construction. A test pit photograph log is included as Appendix 4.

5.1.2 Soil Screening Results

All soil cores and test pits were continuously assessed by a LaBella Environmental Engineer for soil type and evidence of impairment. Elevated PID readings (i.e., greater than 1 ppm) were observed in one boring, SB-19 located at 201 East First Street, at depths of 1-foot to 14-feet bgs, with the highest PID reading of approximately 138 ppm at 1.5-feet bgs. A slight petroleum odor was also noted in this boring from 1-foot to 4-feet bgs.

Radiation was not detected above background levels in soils screened with the Ratemeter (note than only interior borings at 176 Denison Parkway were screened with the Ratemeter). Concentrations of several metals were detected with the XRF with the most common elevated metals being barium, arsenic, lead, copper, zinc, and titanium in soils above 8-feet bgs. Molybdenum, chromium, cadmium, and mercury were detected in fewer locations on the eastern portion of the Site.

5.2 Site Geology and Hydrology

5.2.1 Geology

Thirty-nine soil borings were advanced at the Site from April 27th to May 5th, 2015 designated SB-01 through SB-31, plus SB-8A, SB-13A, and SB-14A. The borings were advanced to equipment refusal or several feet into the water table. Terminal depths of the borings ranged from approximately 8-feet bgs to 25-feet bgs.

Seven test pits were advanced at the Site (176 Denison Parkway East only) on May 8th, 2015 designated TP-01 through TP-07. Test pits were advanced to equipment refusal or to the depth of apparent native material (i.e., no fill material encountered). Terminal depths of test pits ranged from approximately 4-feet to 9-feet bgs.

The subsurface of the eastern half of the Site, as well as southwest portion of 176 Denison Parkway East and northwest portion of 132 Denison Parkway East, contained fill material generally consisting of ash, cinders, brick, and concrete with lesser amounts of metal, ceramic, glass, and wood, to depths ranging from 1-feet to 9-feet bgs. The fill material ranged in thickness between 0.5-feet and 5.5-feet, with an average thickness of 3-feet. Beneath the fill layer, glacial till comprised of brown sand, sandy silts and fine to coarse gravel was encountered to 25-feet bgs. The subsurface of the western portion of the Site, in particular 132 Denison Parkway East, contained significant amounts of coarse gravel, with lesser amounts to no fill material observed.

Soil boring and monitoring well locations are shown on Figure 3. Copies of the Soil Boring, Test Pit and Monitoring Well Logs are included in Appendix 1.

5.2.2 Hydrogeology

Thirteen temporary overburden groundwater monitoring wells (designated as MW-01 through MW-13) were installed at the Site. The wells were completed with 5-feet or 10-feet of 0.01-in slotted screen below PVC risers, to total depths ranging from 15.7-feet to 24.9-feet. Measured depth to water ranged from approximately 14.9-feet bgs to 22.1-feet bgs. Surveyed elevations of groundwater monitoring wells were used to evaluate the groundwater flow direction(s) at the site and are shown on Figure 5. Groundwater elevations in the monitoring wells across the Site vary only by approximately 1.18 feet, with the lowest elevations as noted above in the central portion of the former hospital building and the water level within the sump was noted to be at approximately 907.85 feet MSL, which is lower than the well elevations. Survey datum used to develop the groundwater contour map (Figure 5) is included as Table 3.

Groundwater at the Site generally flows towards the center of the former hospital building and is influenced by the groundwater extraction well (operating at approximately 417 GPM) and also likely by the basement foundation drain system and sump, which at the time of the Phase II ESA may also have been pumping approximately 400 to 500 GPM.

5.3 Laboratory Analytical Results

This section summarizes the overall results across the Site and then details the results for each parcel.

Soil

Metals (lead, arsenic, mercury, cadmium, and barium) were detected at four of the nine parcels (176 Denison Parkway East, 129 Chemung Street, 210 Denison Parkway East, and 201 East First Street) at levels above NYSDEC Part 375-6.8(a) Unrestricted Use SCOs. Concentrations of metals exceeded NYSDEC Part 375-6.8(b) Commercial Use SCOs at three parcels; 176 Denison Parkway East, 210 Denison Parkway East, and 201 East First Street.

VOCs were detected at two parcels (methylene chloride at 132 Denison Parkway East and acetone at 201 East First Street) above NYSDEC Part 375-6.8(a) Unrestricted Use and Protection of Groundwater SCOs.

SVOCs and cyanide were detected at levels below NYSDEC Part 375-6.8(a) Unrestricted Use SCOs. Pesticides and PCBs were not detected in soil samples above laboratory method detection limits (MDLs).

Refer to Table 1 for a summary of detected compounds in soil. Testing locations are included on Figure 3.

Groundwater

VOCs were detected above NYSDEC Part 703 Groundwater Quality Standards (Groundwater Standards) at three of the nine parcels; 176 Denison Parkway East, 132 Denison Parkway East, and 144 East First Street. Chlorinated VOCs (CVOCs), specifically TCE, were detected at all three parcels above Groundwater Standards. Cis-1,2-dichloroethene was also detected at 176 Denison Parkway East above Groundwater Standards. Petroleum-related VOCs were detected at 132 Denison Parkway East including benzene, 1,2,4-trimethylbenzene, and m,p-xylene at levels above Groundwater Standards.

Metals and cyanide were detected at 176 Denison Parkway East below Groundwater Standards. PCBs and pesticides were not detected in groundwater above laboratory MDLs.

Refer to Table 2 for a summary of detected compounds in groundwater. Testing locations are included on Figure 3.

A detailed description of laboratory results by parcel is included below.

5.3.1 176 Denison Parkway East

Soil

Nineteen soil borings (SB-01 through SB-07, SB-21, through SB-24, SB-26, SB-29 through SB-35) were advanced at this parcel. Seven soil borings (SB-01, SB-02, SB-04, SB-07, SB-23, SB-26, and SB-31) were converted to temporary overburden groundwater monitoring wells designated MW-01 through MW-04, MW-07, MW-11, and MW-12. Seven test pits were advanced at this parcel designated TP-01 through TP-07.

A total of seventeen soil samples collected from this parcel were submitted for laboratory analysis; six were analyzed for VOCs, seven for SVOCs, ten for metals, four for cyanide, one for PCBs, one for pesticides, one for mercury only, one for lead only, and one for cadmium only.

Nine of the twelve soil samples analyzed for metals resulted in concentrations detected above NYSDEC Part 375 Unrestricted Use SCOs; nine for mercury and lead, two for arsenic, one for barium, and one for cadmium. Four of these samples exceeded NYSDEC Restricted Residential Use SCOs (SB-03-3-4’ for lead, SB-35-0-4’ for lead and mercury, TP-02-5.5’ for mercury, and TP-07-3’ for lead, arsenic, barium, and mercury) and two of these samples exceeded NYSDEC Commercial Use SCOs (SB-35-0-4’ for mercury, and TP-07-3’ for lead, arsenic, and barium).

Several VOCs and SVOCs were detected at levels below NYSDEC Unrestricted Use SCOs. Cyanide was detected in one soil sample (SB-03-3-4’) at levels below NYSDEC Unrestricted Use SCOs. Pesticides and PCBs were not detected above laboratory MDLs.

Groundwater

Five groundwater samples and one sump sample were analyzed for VOCs. In addition, the monitoring well installed in proximity to the abandoned dry well (MW-07) was analyzed for full suite parameters (VOCs, SVOCs, metals, cyanide, pesticides, and PCBs). It should be noted that MW-01 and MW-02 did not contain sufficient sample volume for analysis and were not analyzed.

VOCs, specifically TCE were detected in two of the groundwater samples (MW-07 at 14.3 ppb and MW-13 at 10 ppb) as well as the sump sample (24.4 ppb) at levels above Groundwater Standards. In addition, MW-07 exceeded Groundwater Standards for cis-1,2-dichloroethene (6.8 ppb). MW-07 was installed in the location of the former dry well and MW-13 was installed on the south side of the former Corning Hospital.

Metals and cyanide were detected below Groundwater Standards, and PCBs and pesticides were not detected above laboratory MDLs in the sample analyzed for full suite parameters (MW-07).

5.3.2 132 Denison Parkway East

Soil

Eleven soil borings (SB-08, SB-08A, SB-09, SB-11, SB-12, SB-13, SB-13A, SB-14A, SB-14A, SB-27, and SB-28) were advanced at this parcel. Due to shallow refusal with the Geoprobe® Systems Model 54LT, a rotary drill rig was used to advance two soil borings into the water table (SB-27 and SB-28) using augers. MW-05 and MW-06 were installed in boreholes SB-27 and SB-28, respectively.

Three soil samples collected from this parcel were submitted for laboratory analysis; one for VOCs (SB-09-8-10.4'), two for SVOCs (SB-08A-9-10.4' and SB-09-2-3'), and one for metals and cyanide (SB-09-2-3').

One VOC, methylene chloride, was detected in the sample analyzed for VOCs (SB-09-8-10.4') at levels above NYSDEC Unrestricted Use SCOs (52.1 ppb). Several SVOCs and metals were detected in soil samples from this parcel at levels below NYSDEC Unrestricted Use SCOs.

Groundwater

Two groundwater samples, MW-05 and MW-06, were submitted for laboratory analysis of VOCs. VOCs were detected in both samples. Acetone (13.8 ppb), benzene (2.8 ppb), toluene (6.4 ppb), 1,2,4-trimethylbenzene (13.3 ppb), and m,p-xylene (7.8 ppb) were detected in MW-06 at levels above NYSDEC Groundwater Quality Standards. VOCs detected in MW-05 were below NYSDEC Groundwater Quality Standards. MW-06 was installed in the location of the former pump island associated with the former gasoline filling station.

5.3.3 129 Chemung Street

Soil

One soil boring (SB-10) was advanced at this parcel and one soil sample was submitted for analysis of metals (SB-10-4-5'). Lead was detected in this sample above NYSDEC Unrestricted Use SCOs at 95.9 ppb.

5.3.4 144 East First Street

Soil

One soil boring (SB-25) was advanced at this parcel and one soil sample was submitted for analysis of VOCs (SB-25-20-24'). VOCs were not detected above laboratory MDLs in this soil sample.

Groundwater

MW-12 was installed in bore hole SB-25 and one groundwater sample was submitted for analysis of VOCs. TCE was detected in this groundwater sample at the NYSDEC Groundwater Quality Standards of 5.0 ppb.

5.3.5 Former Pearl Street

Soil

One soil boring (SB-20) was advanced at this parcel and one soil sample was submitted for analysis of metals (SB-20-7-8'). Metals were detected at levels below NYSDEC Unrestricted Use SCOs.

5.3.6 202 Denison Parkway East

Soil
One soil boring (SB-16) was advanced at this parcel and one soil sample (SB-16-7-8’) was submitted for full suite analysis (VOCs, SVOCs, metals, cyanide, PCBs, and pesticides). Metals were detected at levels below NYSDEC Unrestricted Use SCOs in this soil sample. VOCs, SVOCs, cyanide, pesticides, and PCBs were not detected above laboratory MDLs in this soil sample.

Groundwater
MW-08 was installed in bore hole SB-16 and one groundwater sample was submitted for analysis of VOCs. VOCs were detected in this monitoring well; however, the concentrations detected are at levels below NYSDEC Groundwater Quality Standards.

5.3.7 210 Denison Parkway East

Soil
One soil boring (SB-15) was advanced at this parcel and one soil sample (SB-15-2-3’) submitted for analysis of SVOCs and metals. Lead (234 ppm), arsenic (16 ppm), and mercury (0.232 ppm) were detected above NYSDEC Unrestricted Use SCOs. The concentration of arsenic is equal to the NYSDEC Commercial Use SCO.

5.3.8 201 East First Street

Soil
Three soil borings (SB-17, SB-18, and SB-19) were advanced at this parcel. Two soil samples (SB-17-2-3’ and SB-17-6-8’) were submitted for analysis of SVOCs and metals and one soil sample (SB-19-1-3’) was submitted for analysis of VOCs.

Lead (291 ppm), arsenic (89.8 ppm), cadmium (14 ppm), and mercury (0.232 ppm) were detected in SB-17-2.5-3.5’ at levels above NYSDEC Unrestricted Use SCOs. The concentrations of arsenic and cadmium exceed NYSDEC Commercial Use SCOs. SVOCs were not detected above laboratory MDLs in this sample.

Lead (251 ppm), arsenic (14.7 ppm), and mercury (1.01 ppm) were detected in SB-17-6-8’ at levels above NYSDEC Unrestricted Use SCOs. The concentration of mercury exceeded NYSDEC Restricted Residential SCOs. SVOCs were detected in this sample at levels below NYSDEC Unrestricted Use SCOs.

One VOC, acetone, was detected in SB-19-1-3’ at levels above NYSDEC Restricted Residential Use SCOs at 105 ppb.

Groundwater
MW-09 and MW-10 were installed in bore holes SB-17 and SB-19, respectively. A groundwater sample from each well was submitted for analysis of VOCs. VOCs were detected in both groundwater samples at levels below NYSDEC Groundwater Quality Standards.

6.0 CONCLUSIONS

LaBella was retained by Corning Hospital to conduct a Phase II ESA at the former Corning Hospital addressed as 176 Denison Parkway East and eight associated parcels (132 Denison Parkway East, 129 Chemung Street, 144 East First Street, Former Pearl Street, 202 Denison Parkway East, 210 Denison Parkway East, 210 Denison Parkway East (rear), and 201 East First Street) in the City of Corning, Steuben County, New York. The ESA consisted of the advancement of thirty-nine soil borings, installation of thirteen temporary groundwater monitoring wells, advancement of seven test pits, and laboratory analysis of soil and groundwater samples. This ESA was performed to evaluate the Site subsurface based on RECs identified during a Phase I ESA conducted by Stantec in 2014 and additional information provided by Corning Hospital.

Based on the investigation described herein, the following findings are summarized and conclusions made:

- Concentrations of CVOCs were detected in groundwater samples above Groundwater Standards in three groundwater monitoring wells (MW-07, MW-13, and MW-12) on two parcels; 176 Denison Parkway East and 144 East First Street, and in a sump at 176 Denison Parkway East.
- The greatest concentrations of CVOCs in groundwater monitoring wells were at 176 Denison Parkway East and specifically proximate the abandoned dry well (MW-07) and to the south of the former hospital building (MW-13). However, a sample of water from the basement sump identified the highest concentration detected of CVOCs. The basement sump reportedly dewaters the basement foundation and thus is likely collecting groundwater from a relatively large drainage area. Although the extent of the foundation drain system has not been determined as part of this assessment, it is likely that the foundation drain system is a perimeter drain around the entire basement area. One CVOC (TCE at 24.4 ppb) was detected in the water sample collected from the sump at 176 Denison Parkway East. This concentration is above Groundwater Standards and is greater than concentrations of CVOCs detected in groundwater monitoring wells across the Site. As such, it is anticipated that CVOCs may be present in groundwater in proximity to or beneath the building (i.e., within the radius of influence of the sump). Note that the sump is an open cistern tank and the sample was taken from the top of the tank using a bailer. The top of the influent pipe was located above the water level at the time the sample was collected thus allowing for aeration and volatilization of contaminants (i.e., concentrations of CVOCs entering the foundation drain system are likely higher than the sample). Furthermore, it is likely that higher concentrations of CVOCs are present within the influence of the sump but the sample from the sump is diluted with unimpacted groundwater entering the drainage system.
- The groundwater sampled at the site is from the uppermost portion of the water bearing zone and as such is not likely to be from the same elevation as water removed by the drinking water supply wells that require air strippers due to area wide TCE impacts.
- Petroleum related VOCs were detected in groundwater at 132 Denison Parkway above Groundwater Standards in the location of the former pump island associated with the former gasoline filling station. Due to the porous subsurface material (i.e., sand and gravel), there is a potential for higher concentrations of groundwater contaminates to be present at greater depths in the aquifer than those sampled during this Phase II ESA. The exact locations of former USTs associated with the former gasoline filling station are unknown.
- Shallow petroleum impacts at 201 East First Street are present in soil in the location of the former USTs indicated on the 1948 Sanborn Fire Insurance Map. Due to the porous subsurface material (i.e., sand and gravel), there is a potential for higher concentrations of groundwater contaminates to be present at greater depths in the aquifer than those sampled during this Phase II ESA. The exact locations of the former USTs associated with the former gasoline filling station are unknown.
- Evidence of impairment associated with USTs from the former gasoline station at 176 Denison Parkway East was not identified.
- Due to the lack of tank records for all three former gasoline filling stations at the Site, it is unknown whether USTs associated with the three former gasoline filling stations are present.
- VOCs were detected in soil samples collected from two parcels, 201 East First Street and 132 Denison Parkway East, above NYSDEC Part 375 Restricted Residential Use SCOs.
- Fill material was identified in ten soil borings and seven test pits at four of the nine parcels that comprise the Site. Fill materials are widespread and consist generally of ash, cinders, brick, and concrete with lesser amounts of metal, ceramic, glass, and wood, to depths ranging from 1-foot to 9-feet

bgs. The fill material is likely from local industrial operations as well as demolition debris from former structures. It is estimated that 150,000 square feet of the Site contains subsurface fill material up to 9-feet bgs. Figure 4 presents an estimate of the limits of fill material based on existing data. A greater sample density would be required to better define the limits of fill material.

- Thirteen soil samples across four parcels (176 Denison Parkway East, 129 Chemung Street, 210 Denison Parkway East, and 201 East First Street) exceeded NYSDEC Part 375 Unrestricted Use SCOs for metals. Three of these parcels (176 Denison Parkway East, 210 Denison Parkway East, and 201 East First Street) contained fill material with detections of metals above NYSDEC Part 375 Commercial Use SCOs as well. It should be noted that some metals concentrations detected in the fill material are high enough that the fill material may fail toxicity characteristic leaching procedure (TCLP) for characteristic hazardous waste due to toxicity; specifically lead in sample TP-7 at 3 ft. bgs was detected at a concentration of 1,560 ppm which exceeds the "1/20th rule" applied to the lead toxicity standard of 5.0 mg/L.
- Soil and groundwater samples collected from the location of the former 15,000 gallon UST/ existing 10,000 gallon UST at 176 Denison Parkway East did not exceed NYSDEC Part 375 Unrestricted Use SCOs or Groundwater Standards. Evidence of impairment was not encountered in this location. Based on a review of the tank removal report, tank removal in 1998, spill closure in 1999, and the lack of impacts identified during this investigation further evaluation of this REC does not appear warranted. However, it should be noted that petroleum impacts may be present in proximity to the UST and the building in inaccessible areas.
- Evidence of impairment was not encountered in the locations of the former in ground lifts at 132 Denison Parkway East.
- Evidence of impairment was not identified in soil borings proximate the former laundry facility (SB-22, SB-24, and SB-29) at 176 Denison Parkway East. Due to the lack of records indicating that dry cleaning was conducted at the Site, it is anticipated that the laundry facility associated with the former Corning Hospital did not conduct dry cleaning services.
- A vent pipe and fill port were identified on the east side of the residence at 144 East First Street. The apparent UST was empty and evidence of impairment was not detected in the soil boring (SB-25) advanced in this location. TCE was detected in groundwater in this location (MW-12) at levels above Groundwater Standards.

7.0 RECOMMENDATIONS

Based on the work completed to date, LaBella recommends the following:

- Due to the concentrations of CVOCs in groundwater predominately located around the main hospital building and the potential for higher concentrations beneath and/or in proximity to the former hospital building, further investigation is warranted to determine if a source of contamination in groundwater is present on-Site and the nature and extent of such impacts. This investigation should also include additional sampling of the sump and groundwater extraction well discharges to assess whether there are variations in concentrations and mass of TCE.
- A geophysical survey is recommended to determine if USTs are present in the locations of the former gasoline stations at 176 Denison Parkway East, 132 Denison Parkway East, and 201 East First Street.
- A test pit is recommended in the location of the apparent UST at 144 East First Street to confirm a UST is present and if present, the UST should be removed.
- The fill materials encountered should be further evaluated to determine the nature and extent of fill materials present at the Site. Due to petroleum impacts at 132 Denison Parkway East and 201 East First

Street, additional testing is warranted to determine the nature and extent of petroleum impacts present in soil and/or groundwater.

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:

Ann Aquilina
Environmental Engineer

Report Reviewed By:

Daniel P. Noll, P.E.
Project Manager

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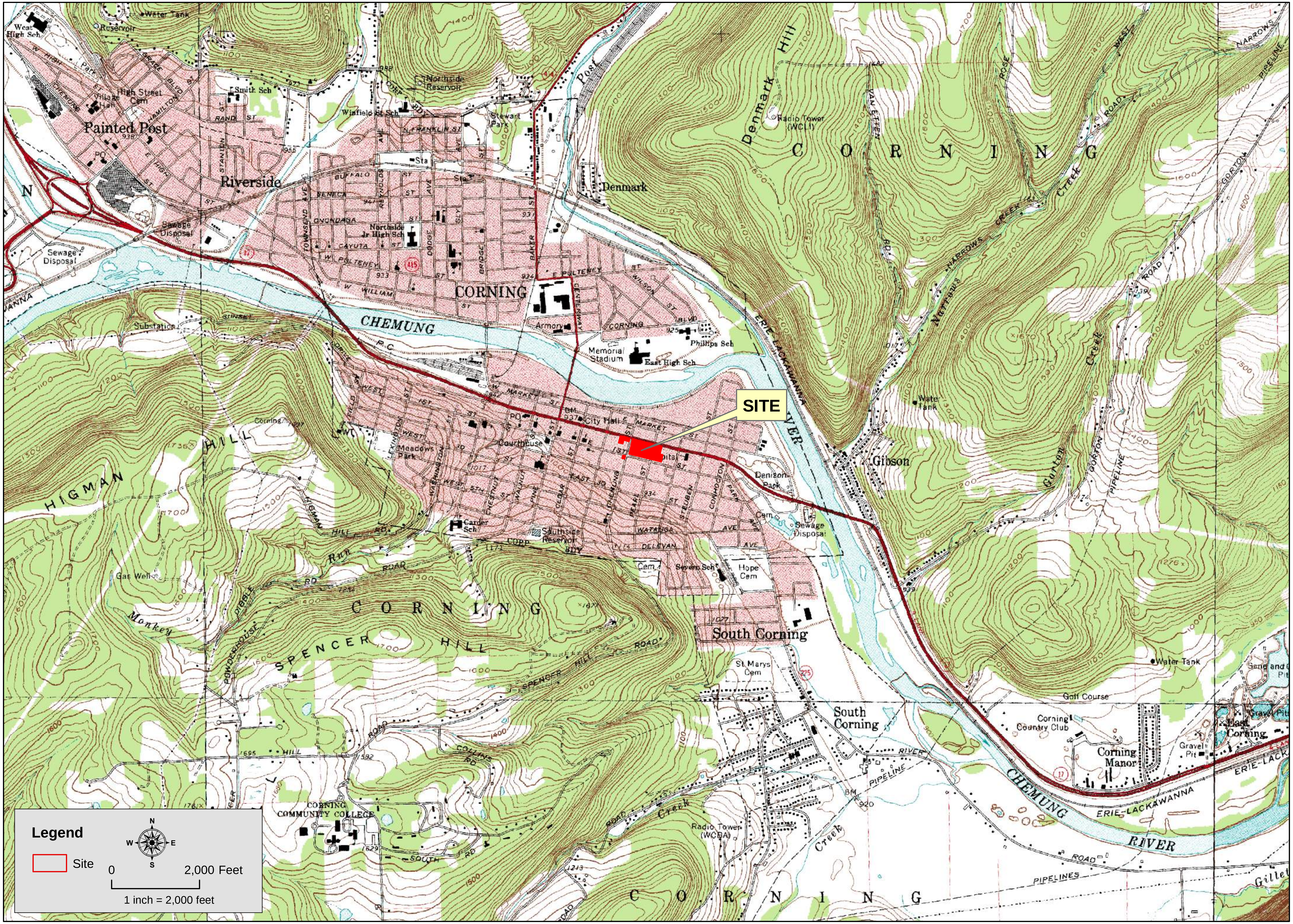
LaBella Associates, D.P.C. | Engineering Architecture Environmental Planning

FIGURES



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PROJECT/CLIENT

FORMER CORNING HOSPITAL AND ASSOCIATED PARCELS CORNING, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

DRAWING TITLE

SITE LOCATION MAP

USGS TOPOGRAPHIC MAP

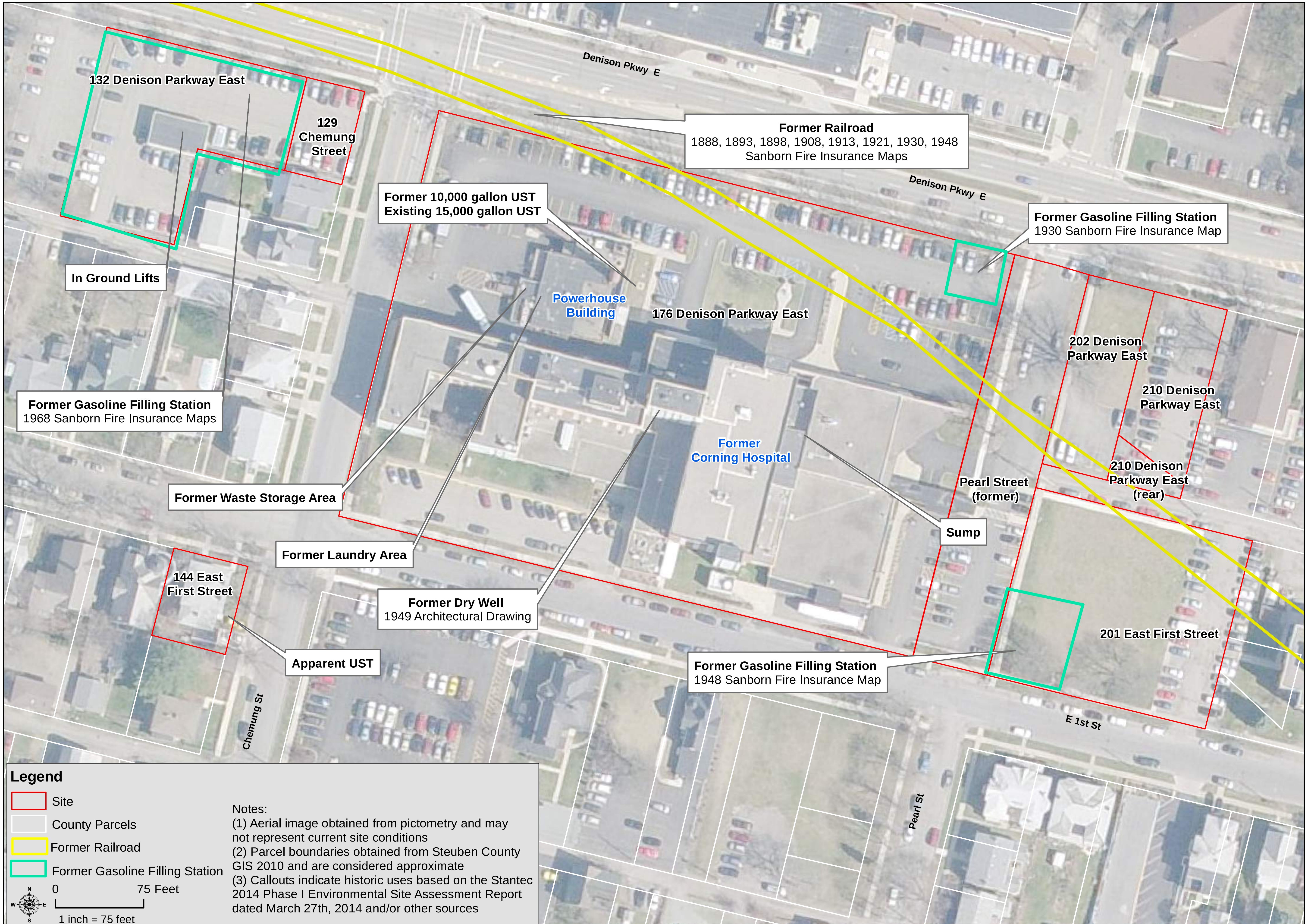
DESIGNED BY: DPN
DRAWN BY: AA
REVIEWED BY: DPN
ISSUED FOR: FINAL
DATE: 5/13/2015

PROJECT/DRAWING NUMBER

2150606

FIGURE 1

Document Path: I:\Corning Hospital\2150606 - Phase II ESA\Drawings\Figure 1- Site location.mxd



Document Path: I:\Corning Hospital\2150606 - Phase II ESA\Drawings\Figure 2- Site Features.mxd

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PROJECT/CLIENT

FORMER CORNING HOSPITAL
AND ASSOCIATED PARCELS
CORNING, NEW YORK

PHASE II ENVIRONMENTAL
SITE ASSESSMENT

DRAWING TITLE

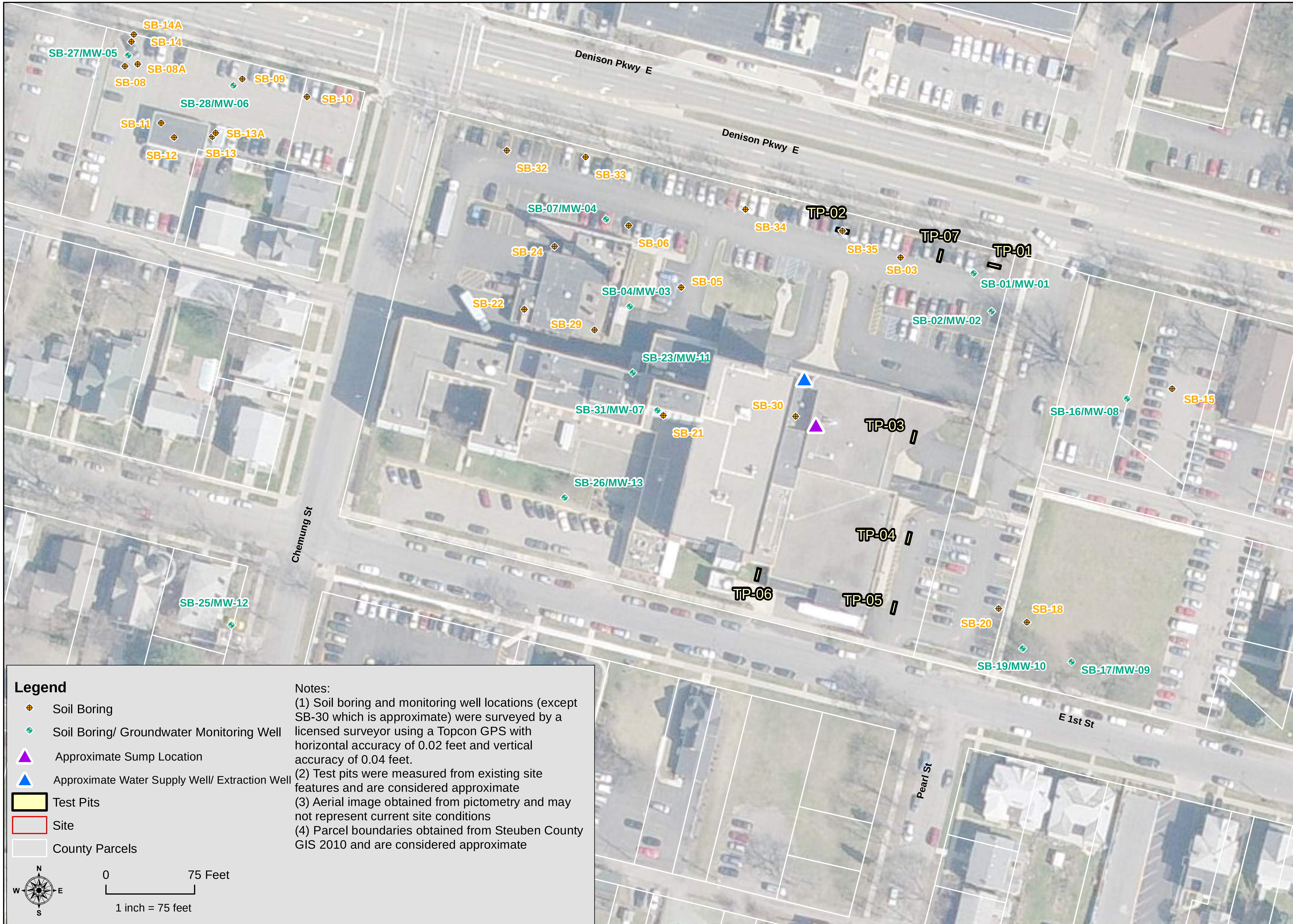
SITE FEATURES

DESIGNED BY: DPN
DRAWN BY: AA
REVIEWED BY: DPN
ISSUED FOR: FINAL
DATE: 5/13/2015

PROJECT/DRAWING NUMBER

2150606

FIGURE 2



Document Path: I:\Corning Hospital\2150606 - Phase II ESA\Drawings\Figure 3- Testing locations.mxd

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FORMER CORNING HOSPITAL AND ASSOCIATED PARCELS CORNING, NEW YORK

PHASE II ENVIRONMENTAL SITE ASSESSMENT

DRAWING TITLE

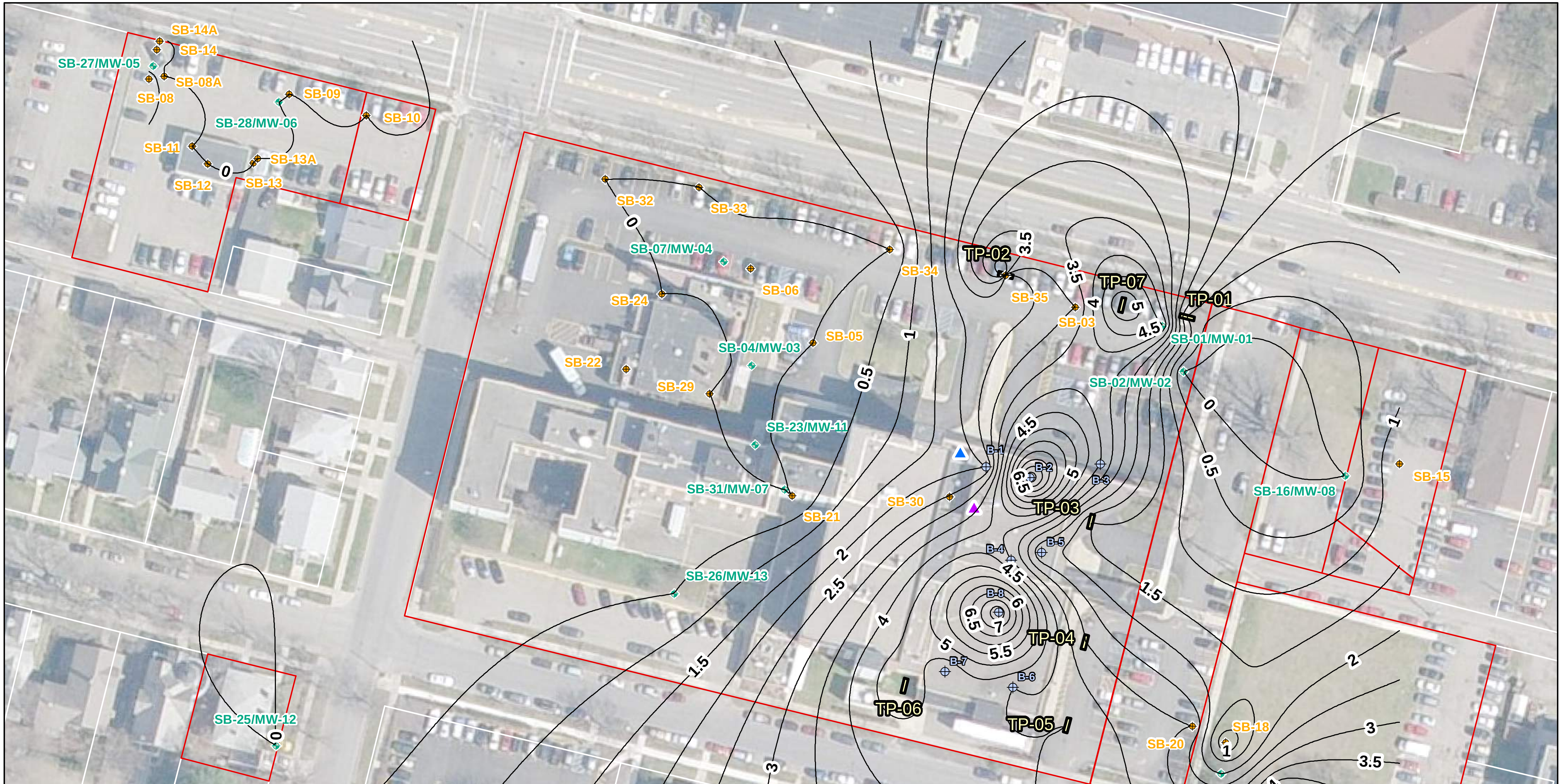
TESTING LOCATIONS

DESIGNED BY: DPN
DRAWN BY: AA
REVIEWED BY: DPN
ISSUED FOR: FINAL
DATE: 5/13/2015

PROJECT/DRAWING NUMBER

2150606

FIGURE 3



Legend

- 1991 Soil Boring
- Soil Boring
- Soil Boring/ Groundwater Monitoring Well
- Approximate Sump Location
- Approximate Water Supply Well/ Extraction Well
- Fill Thickness Contours
- Test Pits
- Site
- County Parcels

N
W E
S

0 75 Feet

1 inch = 75 feet

Notes:
(1) Soil boring and monitoring well locations (except SB-30 which is approximate) were surveyed by a licensed surveyor using a Topcon GPS with horizontal accuracy of 0.02 feet and vertical accuracy of 0.04 feet.
(2) Test pits were measured from existing site features and are considered approximate
(3) Aerial image obtained from pictometry and may not represent current site conditions
(4) Parcel boundaries obtained from Steuben County GIS 2010 and are considered approximate
(5) 1991 Soil Borings were georeferenced from the 1991 report and are considered approximate
(6) Fill contours developed using Surfer version 8, Kriging method, and represent thickness of fill material encountered in soil borings and test pits, in feet

Document Path: I:\Corning Hospital\2150606 - Phase II ESA\Drawings\Figure 4 - Apparent fill.mxd

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PROJECT/CLIENT

FORMER CORNING HOSPITAL
AND ASSOCIATED PARCELS
CORNING, NEW YORK

PHASE II ENVIRONMENTAL
SITE ASSESSMENT

DRAWING TITLE

FILL THICKNESS
CONTOUR MAP

DESIGNED BY: DPN
DRAWN BY: AA
REVIEWED BY: DPN
ISSUED FOR: FINAL
DATE: 5/13/2015

PROJECT/DRAWING NUMBER

2150606

FIGURE 4

Legend

- 1991 Soil Boring
- Soil Boring
- Soil Boring/ Groundwater Monitoring Well
- Approximate Sump Location
- Approximate Water Supply Well/ Extraction Well
- Inferred Extent of Fill Material
- Test Pits
- Site
- County Parcels

N S E W

0 75 Feet

1 inch = 75 feet

Notes:
(1) Soil boring and monitoring well locations (except SB-30 which is approximate) were surveyed by a licensed surveyor using a Topcon GPS with horizontal accuracy of 0.02 feet and vertical accuracy of 0.04 feet.
(2) Test pits were measured from existing site features and are considered approximate
(3) Aerial image obtained from pictometry and may not represent current site conditions
(4) Parcel boundaries obtained from Steuben County GIS 2010 and are considered approximate
(5) 1991 Soil Borings were georeferenced from the 1991 report and are considered approximate
(6) The shaded area represents the inferred extent of fill material and is based on locations where fill material was encountered

Document Path: I:\Corning Hospital\2150606 - Phase II ESA\Drawings\Figure 4A- Apparent fill.mxd

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PROJECT/CLIENT

FORMER CORNING HOSPITAL
AND ASSOCIATED PARCELS
CORNING, NEW YORK

PHASE II ENVIRONMENTAL
SITE ASSESSMENT

DRAWING TITLE

FILL THICKNESS
CONTOUR MAP

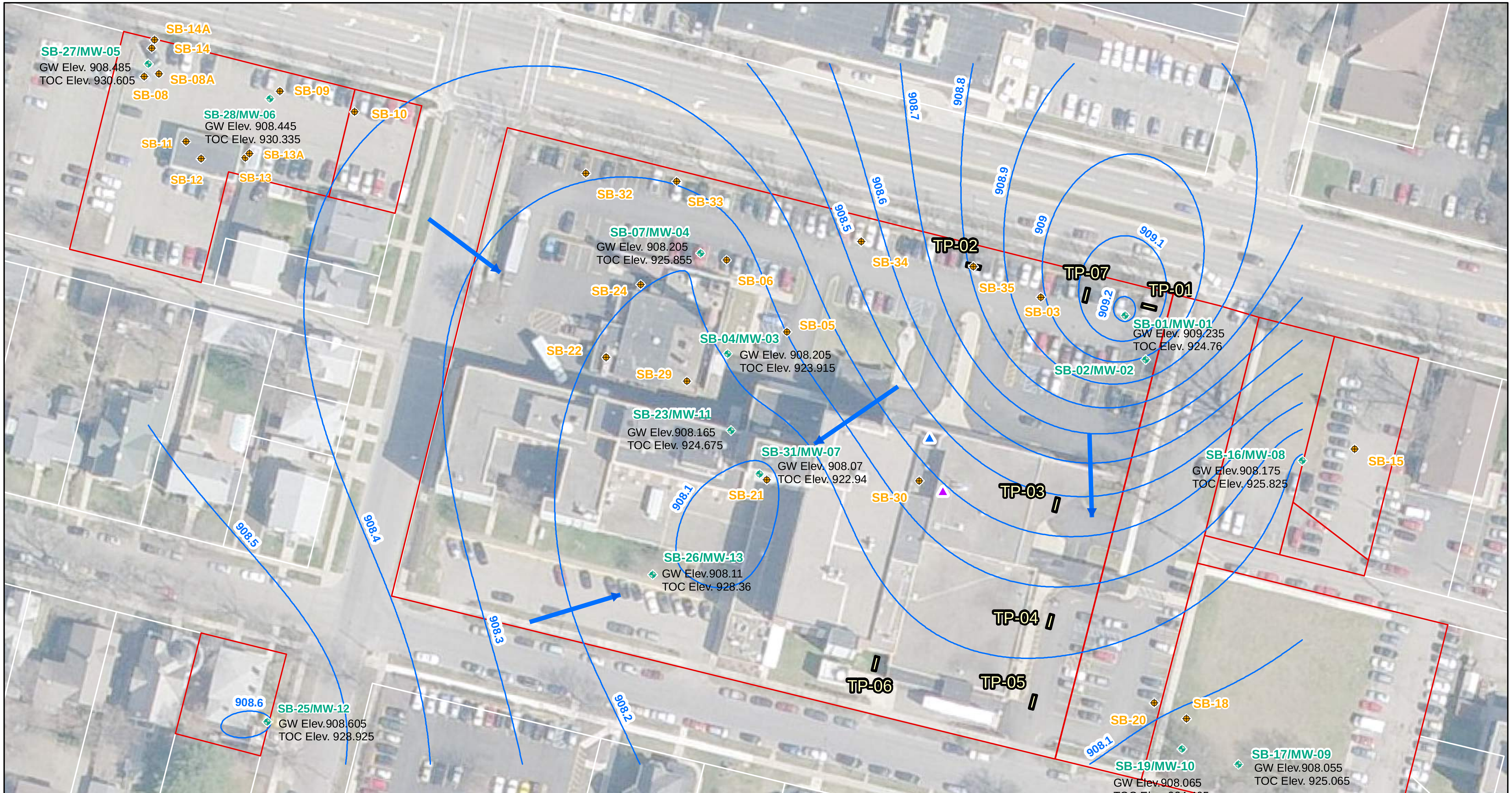
DESIGNED BY: DPN
DRAWN BY: AA
REVIEWED BY: DPN

ISSUED FOR: FINAL
DATE: 5/13/2015

PROJECT/DRAWING NUMBER

2150606

FIGURE 4A



Legend

- Soil Boring
- Soil Boring/ Groundwater Monitoring Well
- Test Pits
- Site
- County Parcels
- Approximate Groundwater Flow Direction
- Groundwater Elevation
- Approximate Sump Location
- Approximate Water Supply Well/ Extraction Well

Notes:
(1) Soil boring and monitoring well locations (except SB-30 which is approximate) were surveyed by a licensed surveyor using a Topcon GPS with horizontal accuracy of 0.02 feet and vertical accuracy of 0.04 feet.
(2) Test pits were measured from existing site features and are considered approximate
(3) Aerial image obtained from pictometry and may not represent current site conditions
(4) Parcel boundaries obtained from Steuben County GIS 2010 and are considered approximate
(5) Groundwater contours developed from static water levels collected during groundwater sampling on May 5th and May 6th, 2015 using Surfer version 8, Kriging method and are displayed in feet mean sea level (fmsl)
(6) TOC indicates top of PVC well casing elevation inl fmsl
(7) GW indicates groundwater elevation in fmsl

N S E W

0 75 Feet
1 inch = 75 feet

Document Path: I:\Corning Hospital\2150606 - Phase II ESA\Drawings\Figure 5- GW contour map.mxd

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PROJECT/CLIENT
FORMER CORNING HOSPITAL AND ASSOCIATED PARCELS
CORNING, NEW YORK
PHASE II ENVIRONMENTAL SITE ASSESSMENT

DRAWING TITLE
GROUNDWATER CONTOUR MAP

DESIGNED BY: DPN
DRAWN BY: AA
REVIEWED BY: DPN
ISSUED FOR: FINAL
DATE: 5/13/2015

PROJECT/DRAWING NUMBER
2150606
FIGURE 5

TABLES

Corning Hospital and Associated Parcels
Phase II Environmental Site Assessment
Table 1: Detected Compounds in Soil
May 2015

					176 Denison Parkway East											
Sample ID	**NYSDEC Unrestricted Use SCOs**	**NYSDEC Protection of Groundwater SCOs**	**NYSDEC Restricted Residential SCOs**	**NYSDEC Commercial Use SCOs**	**SB-01-3-4'**	**SB-02-10.6-11.6'**	**SB-03-3-4'**	**SB-04-14-16'**	**Blind Duplicate 1**	**SB-05-7-8'**	**SB-06-5-6'**	**SB-07-19-20'**	**SB-22-5-6**	**SB-22-19-20**	**SB-23-17-18**	**SB-35-0-4'**
Sample Date					**27-Apr-15**	**27-Apr-15**	**27-Apr-15**	**27-Apr-15**	**27-Apr-15**	**27-Apr-15**	**27-Apr-15**	**27-Apr-15**	**30-Apr-15**	**30-Apr-15**	**30-Apr-15**	**5-May-15**
METALS (ppm)																
Lead	63	450	400	1,000	**246**		**455**			12.3	22.1		**85.5**			**435**
Selenium	3.9	3.9	180	1,500	1.2		1.3			ND(0.437)	0.846		ND(1.66)			ND(0.936)
Arsenic	13	16	16	16	**13.5**		9.85			6.18	5.17		8.64			12.5
Barium	350	820	400	400	153		136			66.2	159		92.1			274
Cadmium	2.5	7.5	4.3	9.3	0.925	NOT ANALYZED	2.23	NOT ANALYZED	NOT ANALYZED	0.0361	0.0652	NOT ANALYZED	ND(0.554)	NOT ANALYZED	NOT ANALYZED	0.513
Chromium (trivalent)	30	NS	180	1,500	13.2		19.5			12.6	9.48		12.1			22.8
Silver	2	8.3	180	1,500	ND(0.121)		ND(0.109)			ND(0.128)	ND(0.134)		ND(1.66)			0.299
Mercury	0.18	0.73	0.81	2.80	**0.211**		**0.522**			0.011	0.0474		**0.411**			**3.62**
Cyanide	27	40	27	27	ND(0.457)		0.541			ND(0.413)	ND(0.437)		NOT ANALYZED			NOT ANALYZED
VOCs (ppb)																
Acetone	50	50	100,000	500,000		ND(36.9)	ND(35.2)	ND(38.3)	ND(41.2)			ND(203)		ND(64.8)	ND(73.3)	
Methylene chloride	50	50	100,000	500,000		3.3	ND(1.5)	3.5	2.9			10.3		ND(13.0)	16.9	
1,2,4-Trimethylbenzene	3,600	3,600	52,000	190,000		ND(1.4)	ND(1.3)	ND(1.4)	ND(1.5)			ND(7.6)		ND(6.5)	ND(7.3)	
1,3,5-Trimethylbenzene	8,400	8,400	52,000	190,000		ND(1.6)	ND(1.5)	ND(1.6)	ND(1.8)			ND(8.7)		ND(6.5)	ND(7.3)	
o-Xylene	260	1,600	100,000	500,000		ND(1.2)	ND(1.1)	ND(1.2)	ND(1.3)			ND(6.5)		ND(6.5)	ND(7.3)	
VOC TICs																
Ethane, 1,1-difluoro-	NS	NS	NS	NS	NOT ANALYZED					NOT ANALYZED	NOT ANALYZED	239	NOT ANALYZED			NOT ANALYZED
Cyclohexane, 1,1,3-trimethyl-	NS	NS	NS	NS								ND				
Cyclohexane, 1,1-dimethyl-	NS	NS	NS	NS		None found	None found	None found	None found			ND		None found	None found	
Cyclohexane, 1,2,4-trimethy	NS	NS	NS	NS								ND				
Cyclohexane, 1,2,4-trimethyl-	NS	NS	NS	NS								ND				
Cyclohexane, 1,2-dimethyl-	NS	NS	NS	NS								ND				
SVOCs (ppb)																
Acenapthene	20,000	98,000	100,000	500,000	ND(184)		50.8			ND(18.2)	ND(19.1)					
Acenapthylene	100,000	107,000	100,000	500,000	260		ND(15.2)			ND(16.6)	ND(17.4)					
Anthracene	100,000	1,000,000	100,000	500,000	ND(181)		146			ND(17.9)	ND(18.8)					
Benzo(a)anthracene	1,000	1,000	1,000	5,600	643		398			ND(16.2)	ND(17.0)					
Benzo(a)pyrene	1,000	22,000	1,000	1,000	667		355			ND(16.3)	ND(17.1)					
Benzo(b)fluoranthene	1,000	1,700	1,000	5,600	805		461			ND(17.8)	ND(18.7)					
Benzo(g,h,i)perylene	100,000	1,000,000	100,000	500,000	296		206			ND(16.9)	ND(17.8)					
Benzo(k)fluoranthene	800	1,700	3,900	56,000	308		198			ND(17.8)	ND(18.7)					
Chrysene	1,000	1,000	3,900	56,000	761		388			ND(19.1)	ND(20.0)					
Dibenzo(a,h)anthracene	330	1,000,000	330	560	ND(145)	NOT ANALYZED	46.5	NOT ANALYZED	NOT ANALYZED	ND(14.4)	ND(15.1)	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED
Dibenzofuran	NS	NS	NS	NS	ND(145)		40			ND(14.4)	ND(15.1)					
Fluoranthene	100,000	1,000,000	100,000	500,000	745		782			ND(19.6)	ND(20.6)					
Fluorene	30,000	386,000	100,000	500,000	ND(189)		57.6			ND(18.7)	ND(19.6)					
Ideno(1,2,3-cd)pyrene	500	8,200	500	5,600	300		229			ND(16.0)	ND(16.8)					
Phenanthrene	100,000	1,000,000	100,000	500,000	375		615			ND(19.1)	ND(20.0)					
Pyrene	100,000	1,000,000	100,000	500,000	1070		818			ND(16.7)	ND(17.5)					
2-Methylnaphthalene	NS	NS	NS	NS	ND(701)		33.6			ND(69.4)	ND(16.9)					
Naphthalene	12,000	12,000	100,000	500,000	ND(161)		36.5			ND(16.1)	ND(16.7)					
SVOC TICs	NS	NS	NS	NS	None found		None found			None found	None found					

Notes:
Metals concentrations reported in milligrams per kilogram (mg/kg) or parts per million (ppm)
Volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) reported in micrograms per kilogram (ug/kg) or parts per billion (ppb)
Bold indicates the sample exceeds New York State Department of Environmental Conservation (NYSDEC) Part 375-6.8(a) Soil Cleanup Objectives (SCOs) for Unrestricted Use for the given parameter
Bold and underline indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter
Bold underline and red font indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter
Bold underline red font and yellow highlight indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Commercial Use for the given parameter
ND indicates the sample was non-detect above laboratory method detection limits for the given parameter, with the detection limit in parenthesis
TICs indicates tentatively identified compounds
NS indicates Not Specified

Corning Hospital and Associated Parcels
Phase II Environmental Site Assessment
Table 1: Detected Compounds in Soil
May 2015

					132 Denison Parkway East				129 Chemung Street
Sample ID	**NYSDEC Unrestricted Use SCOs**	**NYSDEC Protection of Groundwater SCOs**	**NYSDEC Restricted Residential SCOs**	**NYSDEC Commercial Use SCOs**	**SB-08A-9-10.4'**	**SB-09-2-3'**	**Blind Duplicate 2**	**SB-09-8-10.4'**	**SB-10-4-5**
Sample Date					**28-Apr-15**	**28-Apr-15**	**28-Apr-15**	**28-Apr-15**	**28-Apr-15**
METALS (ppm)									
Lead	63	450	400	1,000	NOT ANALYZED	31.1	22.7	NOT ANALYZED	**95.9**
Selenium	3.9	3.9	180	1,500		ND(0.389)	ND(0.411)		ND(1.60)
Arsenic	13	16	16	16		7.23	5.25		7.02
Barium	350	820	400	400		139	117		36.3
Cadmium	2.5	7.5	4.3	9.3		0.0617	0.0328		ND(0.532)
Chromium (trivalent)	30	NS	180	1,500		11.7	11		5.98
Silver	2	8.3	180	1,500		ND(0.114)	ND(0.120)		ND(1.60)
Mercury	0.18	0.73	0.81	2.80		0.0484	0.0581		0.0342
Cyanide	27	40	27	27		ND(0.420)	ND(0.416)		NOT ANALYZED
VOCs (ppb)									
Acetone	50	50	100,000	500,000	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED	ND(725)	NOT ANALYZED
Methylene chloride	50	50	100,000	500,000				**52.1**	
1,2,4-Trimethylbenzene	3,600	3,600	52,000	190,000				ND(27.3)	
1,3,5-Trimethylbenzene	8,400	8,400	52,000	190,000				ND(31.2)	
o-Xylene	260	1,600	100,000	500,000				ND(23.1)	
VOC TICs									
Ethane, 1,1-difluoro-	NS	NS	NS	NS				None found	
Cyclohexane, 1,1,3-trimethyl-	NS	NS	NS	NS					
Cyclohexane, 1,1-dimethyl-	NS	NS	NS	NS					
Cyclohexane, 1,2,4-trimethy	NS	NS	NS	NS					
Cyclohexane, 1,2,4-trimethyl-	NS	NS	NS	NS					
Cyclohexane, 1,2-dimethyl-	NS	NS	NS	NS					
SVOCs (ppb)									
Acenapthene	20,000	98,000	100,000	500,000	ND(16.1)	ND(84.2)	ND(86.8)	NOT ANALYZED	NOT ANALYZED
Acenapthylene	100,000	107,000	100,000	500,000	ND(14.6)	ND(76.6)	ND(79.0)		
Anthracene	100,000	1,000,000	100,000	500,000	ND(15.8)	ND(82.6)	ND(85.2)		
Benzo(a)anthracene	1,000	1,000	1,000	5,600	ND(14.3)	ND(74.8)	ND(77.1)		
Benzo(a)pyrene	1,000	22,000	1,000	1,000	ND(14.4)	ND(75.3)	ND(77.6)		
Benzo(b)fluoranthene	1,000	1,700	1,000	5,600	ND(15.7)	ND(82.3)	ND(84.9)		
Benzo(g,h,i)perylene	100,000	1,000,000	100,000	500,000	ND(14.9)	ND(78.2)	ND(80.7)		
Benzo(k)fluoranthene	800	1,700	3,900	56,000	ND(15.7)	ND(82.3)	ND(84.9)		
Chrysene	1,000	1,000	3,900	56,000	ND(16.9)	ND(88.3)	ND(91.0)		
Dibenzo(a,h)anthracene	330	1,000,000	330	560	ND(12.7)	ND(66.3)	ND(68.4)		
Dibenzofuran	NS	NS	NS	NS	ND(12.7)	ND(66.3)	ND(68.4)		
Fluoranthene	100,000	1,000,000	100,000	500,000	ND(17.3)	95.7	ND(93.5)		
Fluorene	30,000	386,000	100,000	500,000	ND(16.5)	ND(86.5)	ND(89.2)		
Ideno(1,2,3-cd)pyrene	500	8,200	500	5,600	ND(14.1)	ND(73.9)	ND(76.2)		
Phenanthrene	100,000	1,000,000	100,000	500,000	ND(16.8)	143	101		
Pyrene	100,000	1,000,000	100,000	500,000	ND(14.7)	ND(76.9)	ND(79.3)		
2-Methylnaphthalene	NS	NS	NS	NS	ND(14.2)	ND(74.5)	ND(76.8)		
Naphthalene	12,000	12,000	100,000	500,000	ND(14.1)	ND(73.6)	ND(75.9)		
SVOC TICs	NS	NS	NS	NS	None found	None found	None found		

Notes:
Metals concentrations reported in milligrams per kilogram (mg/kg) or parts per million (ppm)
Volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) reported in micrograms per kilogram (ug/kg) or parts per billion (ppb)
Bold indicates the sample exceeds New York State Department of Environmental Conservation (NYSDEC) Part 375-6.8(a) Soil Cleanup Objectives (SCOs) for Unrestricted Use for the given parameter
Bold and underline indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter
Bold underline and red font indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter
Bold underline red font and yellow highlight indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Commercial Use for the given parameter
ND indicates the sample was non-detect above laboratory method detection limits for the given parameter, with the detection limit in parenthesis
TICs indicates tentatively identified compounds
NS indicates Not Specified

Corning Hospital and Associated Parcels
Phase II Environmental Site Assessment
Table 1: Detected Compounds in Soil
May 2015

					202 Denison Parkway	210 Denison Parkway East	201 East First Street			Pearl Street (former)	144 East First Street
Sample ID	NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs	NYSDEC Commercial Use SCOs	SB-16-7-8	SB-15-2-3	SB-17-2.5-3.5	SB-17-6-8	SB-19-1-3	SB-20-7-8	SB-25-20-24
Sample Date					29-Apr-15	29-Apr-15	29-Apr-15	29-Apr-15	29-Apr-15	29-Apr-15	1-May-15
METALS (ppm)											
Lead	63	450	400	1,000	8.16	**234**	**291**	**251**		9.13	
Selenium	3.9	3.9	180	1,500	ND(1.51)	ND(2.30)	ND(3.10)	ND(2.10)		ND(1.78)	
Arsenic	13	16	16	16	7.4	**16**	**89.8**	**14.7**		5.21	
Barium	350	820	400	400	31	201	41.4	101		58.1	
Cadmium	2.5	7.5	4.3	9.3	ND(0.502)	ND(0.604)	**14**	ND(0.538)	NOT ANALYZED	ND(0.595)	NOT ANALYZED
Chromium (trivalent)	30	NS	180	1,500	6.94	14.9	5.36	10.3		9.69	
Silver	2	8.3	180	1,500	ND(1.51)	ND(1.81)	ND(1.94)	ND(1.61)		ND(1.78)	
Mercury	0.18	0.73	0.81	2.80	ND(0.0324)	**0.438**	**0.232**	**1.01**		ND(0.0354)	
Cyanide	27	40	27	27	ND(0.546)	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED		NOT ANALYZED	
VOCs (ppb)											
Acetone	50	50	100,000	500,000	ND(40.0)				**105**		ND(52.8)
Methylene chloride	50	50	100,000	500,000	ND(8.0)				ND(9.0)		ND(10.6)
1,2,4-Trimethylbenzene	3,600	3,600	52,000	190,000	ND(4.0)				11.1		ND(5.3)
1,3,5-Trimethylbenzene	8,400	8,400	52,000	190,000	ND(4.0)				64.9		ND(5.3)
o-Xylene	260	1,600	100,000	500,000	ND(4.0)				10		ND(5.3)
VOC TICs						NOT ANALYZED	NOT ANALYZED	NOT ANALYZED		NOT ANALYZED	
Ethane, 1,1-difluoro-	NS	NS	NS	NS					ND		
Cyclohexane, 1,1,3-trimethyl-	NS	NS	NS	NS					996		
Cyclohexane, 1,1-dimethyl-	NS	NS	NS	NS	None found				219		None found
Cyclohexane, 1,2,4-trimethy	NS	NS	NS	NS					396		
Cyclohexane, 1,2,4-trimethyl-	NS	NS	NS	NS					259		
Cyclohexane, 1,2-dimethyl-	NS	NS	NS	NS					420		
SVOCs (ppb)											
Acenapthene	20,000	98,000	100,000	500,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Acenapthylene	100,000	107,000	100,000	500,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Anthracene	100,000	1,000,000	100,000	500,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Benzo(a)anthracene	1,000	1,000	1,000	5,600	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Benzo(a)pyrene	1,000	22,000	1,000	1,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Benzo(b)fluoranthene	1,000	1,700	1,000	5,600	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Benzo(g,h,i)perylene	100,000	1,000,000	100,000	500,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Benzo(k)fluoranthene	800	1,700	3,900	56,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Chrysene	1,000	1,000	3,900	56,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Dibenzo(a,h)anthracene	330	1,000,000	330	560	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED
Dibenzofuran	NS	NS	NS	NS	ND(192)	ND(204)	ND(224)	ND(188)			
Fluoranthene	100,000	1,000,000	100,000	500,000	ND(76.7)	82	ND(89.6)	104			
Fluorene	30,000	386,000	100,000	500,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Ideno(1,2,3-cd)pyrene	500	8,200	500	5,600	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Phenanthrene	100,000	1,000,000	100,000	500,000	ND(76.7)	83.7	ND(89.6)	75.8			
Pyrene	100,000	1,000,000	100,000	500,000	ND(76.7)	97.1	ND(89.6)	91.5			
2-Methylnaphthalene	NS	NS	NS	NS	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
Naphthalene	12,000	12,000	100,000	500,000	ND(76.7)	ND(81.7)	ND(89.6)	ND(75.1)			
SVOC TICs	NS	NS	NS	NS	None found	None found	None found	None found			

Notes:
Metals concentrations reported in milligrams per kilogram (mg/kg) or parts per million (ppm)
Volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) reported in micrograms per kilogram (ug/kg) or parts per billion (ppb)
Bold indicates the sample exceeds New York State Department of Environmental Conservation (NYSDEC) Part 375-6.8(a) Soil Cleanup Objectives (SCOs) for Unrestricted Use for the given parameter
Bold and underline indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter
Bold underline and red font indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter
Bold underline red font and yellow highlight indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Commercial Use for the given parameter
ND indicates the sample was non-detect above laboratory method detection limits for the given parameter, with the detection limit in parenthesis
TICs indicates tentatively identified compounds
NS indicates Not Specified

Corning Hospital and Associated Parcels
Phase II Environmental Site Assessment
Table 1: Detected Compounds in Soil
May 2015

Sample ID / Sample Date	NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs	NYSDEC Commercial Use SCOs	176 Denison Parkway East					
					TP-02-5.5'	**TP-03-2'**	**TP-04-2.5'**	**TP-05-3'**	**TP-06-2.5'**	**TP-07-3'**
					8-May-15	**8-May-15**	**8-May-15**	**8-May-15**	**8-May-15**	**8-May-15**
METALS (ppm)										
Lead	63	450	400	1,000	**283**	Not Analyzed	**273**	**160**	**176**	**1560**
Selenium	3.9	4	180	1,500	Not Analyzed	Not Analyzed	0.622	1.11	0.434	1.27
Arsenic	13	16	16	16	Not Analyzed	Not Analyzed	7.93	7.21	7.93	**17**
Barium	350	820	400	400	Not Analyzed	Not Analyzed	153	99.9	102	**995**
Cadmium	2.5	7.5	4.3	9.3	Not Analyzed	0.233	**2.52**	0.448	0.406	0.779
Chromium (trivalent)	30	NS	180	1,500	Not Analyzed	Not Analyzed	13.5	10.4	12.7	26.1
Silver	2	8.3	180	1,500	Not Analyzed	Not Analyzed	0.222	0.204	ND(0.113)	0.617
Mercury	0.18	0.73	0.81	2.8	**1.8**	Not Analyzed	**0.547**	**0.425**	**0.766**	**1.2**
SVOCs (ppb)										
Benzo (a) anthracene	1,000	1,000	1,000	5,600	Not Analyzed	Not Analyzed	135	Not Analyzed		ND(20.1)
Benzo (a) pyrene	1,000	22,000	1,000	1,000	Not Analyzed	Not Analyzed	131	Not Analyzed		ND(20.3)
Benzo (b) fluoranthene	1,000	1,700	1,000	5,600	Not Analyzed	Not Analyzed	162	Not Analyzed		ND(22.2)
Chrysene	1,000	1,000	3,900	56,000	Not Analyzed	Not Analyzed	133	Not Analyzed		ND(23.8)
Fluoranthene	100,000	1,000,000	100,000	500,000	Not Analyzed	Not Analyzed	219	Not Analyzed		ND(24.4)
Phenanthrene	100,000	1,000,000	100,000	500,000	Not Analyzed	Not Analyzed	108	Not Analyzed		ND(23.7)
Pyrene	100,000	1,000,000	100,000	500,000	Not Analyzed	Not Analyzed	223	Not Analyzed		ND(20.7)

Notes:
Metals concentrations reported in milligrams per kilogram (mg/kg) or parts per million (ppm)
Semi-volatile organic compounds (SVOC) reported in micrograms per kilogram (ug/kg) or parts per billion (ppb)
Bold indicates the sample exceeds New York State Department of Environmental Conservation (NYSDEC) Part 375-6.8(a) Soil Cleanup Objectives (SCOs) for Unrestricted Use for the given paramete
Bold and underline indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter
Bold underline and red font indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter
Bold underline red font and yellow highlight indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Commercial Use for the given parameter
ND indicates the sample was non-detect above laboratory method detection limits for the given parameter, with the detection limit in parenthesis
TICs indicates tentatively identified compounds
NS indicates Not Specified

Corning Hospital and Associated Parcels
Phase II Environmental Site Assessment
Table 2: Detected Compounds in Groundwater
May 2015

		176 Denison Parkway East						132 Denison Parkway East		202 Denison Parkway East	201 East First Street		144 East First Street	
Sample ID	**NYSDEC Part 703 Groundwater Quality Standards**	**Sump-1**	**MW-03**	**MW-04**	**MW-07**	**MW-11**	**MW-13**	**MW-05**	**MW-06**	**MW-08**	**MW-09**	**MW-10**	**MW-12**	**Blind Duplicate**
Sample Date		**5-May-15**	**6-May-15**	**6-May-15**	**6-May-15**	**6-May-15**		**6-May-15**	**6-May-15**	**5-May-15**	**6-May-15**	**6-May-15**	**5-May-15**	**5-May-15**
METALS (ppm)														
Lead	0.025				ND(0.0039)									
Selenium	0.01				ND(0.0071)									
Arsenic	0.025				ND(0.0054)									
Barium	1				0.217									
Cadmium	0.005	Not Analyzed	Not Analyzed	Not Analyzed	ND(0.0003)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
Chromium (trivalent)	0.05				0.0049									
Silver	0.05				ND(0.0023)									
Mercury	0.0007				ND(0.00009)									
Cyanide	0.2				0.0161									
VOCs (ppb)														
Acetone	50	ND(2.5)	ND(2.5)	ND(2.5)	3.5	3.0	7.3	3.9	13.8	ND(2.5)	ND(2.5)	3.4	5.2	ND(2.5)
Benzene	1	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.4	2.8	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
2-Butanone (MEK)	NS	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	1.5	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
n-Butylbenzene	5	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.8	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
sec-Butylbenzene	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Chloroform	7	ND(0.4)	ND(0.4)	ND(0.4)	0.4	0.4	ND(0.4)	0.4	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
Chloromethane	NS	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	0.3	ND(0.3)	0.3	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
1,2-Dichloroethane	0.6	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	ND(0.2)	ND(0.2)
1,1-Dichloroethene	5	ND(0.2)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
cis-1,2-Dichloroethene	5	0.2	ND(0.2)	ND(0.2)	6.8	ND(0.2)	4.3	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Ethylbenzene	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	0.2	2.0	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Isopropylbenzene	5	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	2.0	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Naphthalene	NS	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	0.7	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
n-Propylbenzene	5	ND(0.6)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	2.6	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)
Tetrachloroethene	5	ND(0.6)	ND(0.6)	ND(0.6)	1.2	0.6	2.0	0.9	ND(0.6)	ND(0.6)	0.7	ND(0.6)	1.1	1.1
Toluene	5	ND(0.3)	ND(0.3)	ND(0.3)	0.3	ND(0.3)	ND(0.3)	0.4	6.4	0.6	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
Trichloroethene	5	24.4	ND(0.4)	0.6	14.3	1.6	10.0	0.8	ND(0.4)	0.4	3.8	2.2	5.1	5.0
1,2,4-Trimethylbenzene	5	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	13.3	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
1,3,5-Trimethylbenzene	5	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	3.3	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)	ND(0.9)
Vinyl chloride	2	ND(0.3)	ND(0.3)	ND(0.3)	0.3	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.3)
m,p-Xylene	5	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)	7.8	0.7	ND(0.4)	ND(0.4)	ND(0.4)	ND(0.4)
o-Xylene	5	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	2.9	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
VOC TICs														
Ethane, 1,1-difluoro-	NS								ND		3.1			
Benzene, 1,2,4,5-tetramethyl	NS								4.4					
Benzene, 1-ethyl-2,3-dimethyl	NS								3.4					
Benzene, 1-ethyl-2-methyl	NS								4.4					
Benzene, 1-ethyl-3-methyl	NS	None found	None found	None found	None found	None found	None found	None found	5.1	None found	ND	None found	None found	None found
Benzene, 1-ethyl-4-methyl	NS								3.9					
Benzene, 1-methyl-2-methyl	NS								6.2					
Benzene, 1-mehtyl-3-propyl	NS								3.0					
Indan, 1-methyl-	NS								3.2					

Notes:
Metals concentrations reported in milligrams per liter (mg/L) or parts per million (ppm)
Volatile organic compounds (VOCs) reported in micrograms per liter (ug/L) or parts per billion (ppb)
Yellow highlight indicates the sample exceeds New York State Department of Environmental Conservation (NYSDEC) Part 703 Groundwater Quality Standards for Class GA for the given parameter
ND indicates the sample was non-detect above laboratory method detection limits for the given parameter, with the detection limit in parenthesis
TICs indicates tentatively identified compounds
NS indicates Not Specified

Corning Hospital and Associated Parcels
Phase II Environmental Site Assessment
Table 3 Survey Datum
April 2015

Grid Northing (USft)	Grid Easting (USft)	Elevation (USft)	SB ID	MW ID	Static Water Level (ft bgs)*	Static Water Level (Usft)
780398.991	694487.975	924.685	SB-01	MW-01	15.45	909.235
780366.086	694502.936	924.76	SB-02	MW-02**	-	-
780411.911	694425.939	924.611	SB-03	-	-	-
780370.393	694196.172	923.915	SB-04	MW-03	15.71	908.205
780386.316	694239.684	923.825	SB-05	-	-	-
780439.076	694195.387	925.665	SB-06	-	-	-
780444.138	694176.177	925.855	SB-07	MW-04	17.65	908.205
780574.039	693768.068	930.847	SB-08	-	-	-
780575.873	693778.873	930.745	SB-08A	-	-	-
780563.124	693867.69	930.194	SB-09	-	-	-
780548.127	693922.47	929.198	SB-10	-	-	-
780526.075	693798.748	930.632	SB-11	-	-	-
780513.535	693809.902	930.753	SB-12	-	-	-
780514.417	693842.152	931.484	SB-13	-	-	-
780517.467	693845.152	931.404	SB-13A	-	-	-
780594.769	693773.707	930.56	SB-14	-	-	-
780600.829	693775.67	930.454	SB-14A	-	-	-
780300.39	694656.209	925.545	SB-15	-	-	-
780292.007	694617.789	925.825	SB-16	MW-08	17.65	908.175
780068.793	694570.934	925.065	SB-17	MW-09	17.01	908.055
780102.431	694532.836	925.122	SB-18	-	-	-
780080.164	694529.527	924.465	SB-19	MW-10	16.4	908.065
780113.86	694509.091	923.486	SB-20	-	-	-
780277.838	694224.775	923.051	SB-21	-	-	-
780367.835	694106.847	928.907	SB-22	-	-	-
780313.959	694198.702	924.675	SB-23	MW-11	16.51	908.165
780421.029	694132.393	926.467	SB-24	-	-	-
780100.112	693858.283	928.925	SB-25	MW-12	20.32	908.605
780208.202	694141.026	928.36	SB-26	MW-13	20.25	908.11
780583.338	693770.968	930.605	SB-27	MW-05	22.12	908.485
780557.571	693860.24	930.335	SB-28	MW-06	21.89	908.445
780350.302	694166.24	914.186	SB-29	-	-	-
-	-	-	SB-30	-	-	-
780282.069	694219.646	922.94	SB-31	MW-07	14.87	908.07
780502.69	694092.014	927.125	SB-32	-	-	-
780497.109	694158.792	926.585	SB-33	-	-	-
780452.66	694294.274	925.376	SB-34	-	-	-
780434.431	694376.495	925.106	SB-35	-	-	-
-	-	907.85	Sump elev.	-	-	907.85

Notes:
*measured from top of PVC casing
**indicates the well was dry and static water level was not measured
Horizontal datum: NAD83
Vertical datum: NAVD88

APPENDIX 1

Field Logs

SOIL BORING LOGS

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** **SB-01** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC — BORING LOCATION: 176 Denison Parkway East
DRILLER: M. Pepe — GROUND SURFACE ELEVATION 924.685 (USft) — DATUM:
LABELLA REPRESENTATIVE: A. Aquilina — START DATE: 4/27/2015 END DATE 4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT — DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore — OTHER:

DEPTH	SAMPLE: SAMPLE DEPTH	SAMPLE: SAMPLE NO. AND RECOVERY	SAMPLE: STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
2					0	
			2.5'	Brown coarse SAND and fine to medium GRAVEL, moist, no odors		
			3.5'	Black ASH (fill) and SAND, some fine to medium GRAVEL, moist, no odors		
4	4-8	5%			0	
6					0	
8	8-12	5%	8'	…coarse GRAVEL 8-12'	0	
10					0	
12	12-16	<5%	12'	Brown coarse SAND and fine to medium GRAVEL, wet, no odors	0	
14					0	
16	16-20	30%	16'	Brown coarse SAND and medium to coarse GRAVEL, wet, no odors	0	
18					0	
20				End at 20'	0	
22						
24						
26						

WATER LEVEL DATA: DATE	TIME	ELASPED TIME	DEPTH (FT): BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	NOTES:
			16	20	12	MW-01, 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 Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	BORING: SB-02 SHEET 1 OF 1 JOB: 2150606 CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 924.76 (USft)
DATUM:
START DATE: 4/27/2015 END DATE 4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	25%		Brown/grey coarse SAND and GRAVEL, moist, no odors	0	
2					0	
4	4-8	no recovery			0	
6					0	
8	8-10.6	50%	8'	Brown fine SAND (possible tank fill), moist, no odors	0	
10	10.6-11.6	50%	10'	Brown coarse SAND and SILT, some medium to coarse GRAVEL, moist, no odors	0	
12				Refusal at 11.6'		
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-02, 5' screen (DRY)
			11	11.6	NA	

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

BORING: SB-02

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** **SB-03** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC — BORING LOCATION: 176 Denison Parkway East
DRILLER: M. Pepe — GROUND SURFACE ELEVATION 924.611 (USft) — DATUM:
LABELLA REPRESENTATIVE: A. Aquilina — START DATE: 4/27/2015 END DATE 4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT — DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore — OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1.5'	Light brown coarse SAND and medium to coarse GRAVEL, moist, no odors		
2					0	
			3'	Black ASH and CINDERS (fill), moist, no odors		
4	4-8	5%			0	
6			6'	Light brown fine SAND, trace fine to medium GRAVEL, moist, no odors	0	
8	8-12	5%			0	
10					0	
			10.5'	Brown/grey fine SAND and medium to coarse GRAVEL, moist, no odors		
				Refusal at 11.2'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	11.2	NA	

GENERAL NOTES

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

BORING: **SB-03**

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: SB-04
SHEET 1 OF 1
JOB: 2150606
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 932.915 (USft)
DATUM:
START DATE: 4/27/2015 END DATE 4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1.5'	Brown coarse SAND some medium to coarse GRAVEL, moist, no odors		
2					0	
			2.5'	Brown fine SAND and SILT, trace fine GRAVEL, moist, no odors		
			3'			
4	4-8	60%			0	
6					0	
8	8-12	50%			0	
10					0	
12	12-16	50%	12'	Brown coarse SAND and medium GRAVEL, moist, no odors	0	
				Brown coarse SAND and medium GRAVEL, wet, no odors		
14					0	
16				Refusal at 16'		
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	16	14	

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

BORING: SB-04

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-05**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC	BORING LOCATION:	176 Denison Parkway East	
DRILLER: M. Pepe	GROUND SURFACE ELEVATION	932.915 (USft)	DATUM:
LABELLA REPRESENTATIVE: A. Aquilina	START DATE: 4/27/2015	END DATE 4/27/2015	

TYPE OF DRILL RIG:	Geoprobe 54LT	DRIVE SAMPLER TYPE: Direct push	
AUGER SIZE AND TYPE:	NA	INSIDE DIAMETER: 2"	
OVERBURDEN SAMPING METHOD:	macrocore	OTHER:	

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	40%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
2			2'	Light brown SAND and SILT, some fine to medium GRAVEL, moist, no odors	0	
			2.5'	Black/ dark brown coarse SAND, some fine to medium GRAVEL, moist, no odors		
4	4-8	60%	4'	Grey medium GRAVEL, moist, no odors	0	
			5'	Brown SANDY SILT, trace fine GRAVEL, moist, no odors		
6					0	
8	8-12	40%			0	
10			10'	…grey rock fragments	0	
12	12-16	40%			0	
14					0	
16	16-20	5%	16'	Brown medium to coarse GRAVEL, wet, no odors	0	
18					0	
20	20-24	<5%	20'	Brown coarse SAND and medium GRAVEL,wet, no odors	0	
22					0	
					0	
24				End at 24'		
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-03, 10' screen
			17.5	24	16	

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: SB-06
SHEET 1 OF 1
JOB: 2150606
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 925.665 (USft)
DATUM:
START DATE: 4/27/2015 END DATE 4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Brown SAND and fine to medium GRAVEL, moist, no odors		
2					0	
			3.5'	Brown SAND and SILT, trace fine GRAVEL, moist, no odors		
4	4-8	50%			0	
6					0	
8	8-12	25%			0	
10					0	
12	12-16	30%	12'	Brown coarse SAND and coarse GRAVEL, moist, no odors	0	
14					0	
16	16-20	30%		…wet	0	
18					0	
20				End at 20'		
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	20	16	

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

BORING: SB-06

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PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-07**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 925.855 (USft)
START DATE: 4/27/2015 END DATE 4/27/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	40%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
2			2'	Brown SAND some medium to coarse GRAVEL, moist, no odors	0	
4	4-8	5%	4'	Brown SAND and medium to coarse GRAVEL, moist, no odors	0	
6					0	
8	8-12	15%			0	
10					0	
12	12-16	10%			0	
14					0	
16	16-20	30%	16'	…wet	0	
18					0	
20				End at 20'		
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-04, 10' screen
			19	20	16	

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

BORING: **SB-07**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** **SB-08** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.847 (USft)
DATUM:
START DATE: 4/28/2015 END DATE: 4/28/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	40%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Grey medium to coarse GRAVEL, moist, no odors		
2					0	
4	4-8	30%	4'	Black/brown SAND and ASH (fill), moist, no odors	0	
			5'	Brown coarse SAND, some medium GRAVEL, moist, no odors		
6					0	
					0	
8				Refusal at 8'		
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	8	NA	

GENERAL NOTES

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

BORING: **SB-08**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** **SB-08A** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC | BORING LOCATION: 132 Denison Parkway East
DRILLER: M. Pepe | GROUND SURFACE ELEVATION 930.745 (USft) | DATUM:
LABELLA REPRESENTATIVE: A. Aquilina | START DATE: 4/28/2015 END DATE: 4/28/2015

TYPE OF DRILL RIG: Geoprobe 54LT | DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA | INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore | OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	40%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1.5'	Dark brown coarse SAND, some medium to coarse GRAVEL, moist, no odors		
2					0	
4	4-8	30%	4'	Brown coarse SAND some medium GRAVEL, moist, no odors	0	
			5'	Brown/grey coarse SAND and fine to coarse GRAVEL, moist, no odors		
6					0	
					0	
8	8-10.4	50%				
10					0	
				Refusal at 10.4'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	10.4	NA	

GENERAL NOTES

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

BORING: **SB-08A**

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PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-09**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.194 (USft)
START DATE: 4/28/2015 END DATE: 4/28/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
2			2'	Brown/grey SAND and medium to coarse GRAVEL, moist, no odors	0	
4	4-8	20%			0	
6					0	
					0	
8	8-10.4	20%				
10					0	
				Refusal at 10.4'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	10.4	NA	

GENERAL NOTES

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

BORING: **SB-09**

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PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-10**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.194 (USft)
START DATE: 4/28/2015 END DATE: 4/28/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1.5'	Brown/grey SAND and medium to coarse GRAVEL, moist, no odors		
2					0	
4	4-8	40%			0	
6					0	
					0	
8	8-10.4	50%				
10					0	
				Refusal at 10.8'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	10.8	NA	

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

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PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-11**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.632 (USft)
START DATE: 4/28/2015 END DATE: 4/28/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Brown SAND and fine to medium GRAVEL, moist, no odors	0	
2			2'	Brown SANDY SILT, trace fine GRAVEL, moist, no odors	0	
4	4-8	40%	4'	Brown SAND and medium to coarse GRAVEL, moist, no odors	0	
6					0	
					0	
8	8-10.4	50%				
10					0	
				Refusal at 11.1		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	11.1	NA	

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

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PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-12**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.753 (USft)
START DATE: 4/28/2015 END DATE: 4/28/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	40%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
2					0	
			3.5'	Brown coarse SAND, trace medium GRAVEL, moist, no odrs		
4	4-8	50%	4'	Brown coarse SAND and medium to coarse GRAVEL, moist, no odors	0	
6					0	
					0	
8	8-10.4	50%				
			9'	…grey rock fragments		
10					0	
				Refusal at 10.3'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	10.3	NA	

GENERAL NOTES

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

BORING: **SB-12**

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PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING:	**SB-13**
SHEET	1 OF 1
JOB:	**2150606**
CHKD BY:	DPN

CONTRACTOR: LaBella Env. LLC — BORING LOCATION: 132 Denison Parkway East
DRILLER: M. Pepe — GROUND SURFACE ELEVATION 931.484 (USft) — DATUM:
LABELLA REPRESENTATIVE: A. Aquilina — START DATE: 4/28/2015 END DATE: 4/28/2015

TYPE OF DRILL RIG: Geoprobe 54LT — DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore — OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	30%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Brown/grey coarse SAND and coarse GRAVEL, moist, no odors		
2					0	
4	4-8	30%			0	
6					0	
					0	
8	8-12	50%		Refusal at 8'		
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	8	NA	

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

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PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-13A**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 931.404 (USft)
DATUM:
START DATE: 4/28/2015 END DATE: 4/28/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	30%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Brown/grey coarse SAND and coarse GRAVEL, moist, no odors		
2					0	
4	4-8	30%			0	
6					0	
					0	
8	8-12	50%				
			8.5'	Brown medium GRAVEL and SAND, moist, no odors		
10				…wet	0	
			11'	Brown coarse SAND, some medium GRAVEL, moist, no odors		
12	12-13.7	50%				
			13.5'	…grey rock fragments	0	
				Refusal at 13.7'		
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	13.7	NA	

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

BORING: **SB-13A**

LABELLA Associates, P.C.

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PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-14**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.56 (USft)
START DATE: 4/28/2015 END DATE: 4/28/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Brown SAND some medium GRAVEL, moist, no odors		
2					0	
			2.5'	Brown SANDY SILT, trace fine to medium GRAVEL, moist, no odors		
4	4-8	<5%		…brick (fill)	0	
6					0	
					0	
8	8-10	50%				
			10'	…grey rock fragments	0	
10				Refusal at 10'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT) BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	NOTES:
DATE	TIME	ELASPED TIME				
			NA	10	NA	

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

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PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-14A**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 132 Denison Parkway East
GROUND SURFACE ELEVATION 930.454 (USft)
START DATE: 4/28/2015 END DATE: 4/28/2015

DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Dark brown SAND and SILT, some medium GRAVEL, moist, no odors		
2					0	
4	4-8	<5%			0	
6					0	
			7'	Brown coarse SAND some coarse GRAVEL, moist, no odors	0	
8	8-10	50%				
			10'		0	
10				Refusal at 10'		
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT) BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	NOTES:
DATE	TIME	ELASPED TIME				
			NA	10	NA	

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
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-15**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 210 Denison Parkway East
GROUND SURFACE ELEVATION 925.545 (USft)
START DATE: 4/29/2015 END DATE: 4/29/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors	0	
			1'	Black SANDY SILT, trace fine GRAVEL, moist, no odors		
2			2'	…trace GLASS and BRICK (fill)	0	
			3.5'	Brown fine SAND trace fine GRAVEL, moist, no odors		
4	4-8	90%			0	
6					0	
					0	
8	8-12	80%	8'	Brown SAND and medium GRAVEL, moist, no odors		
					0	
10						
12	12-14.7	80%			0	
			13'	Light brown/grey SAND and fine to medium GRAVEL, moist, no odors		
					0	
14						
				Refusal at 14.7'		
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	14.7	NA	

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

BORING: **SB-15**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** **SB-16** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 202 Denison Parkway East
GROUND SURFACE ELEVATION 925.825 (USft)
DATUM:
START DATE: 4/29/2015 END DATE: 4/29/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	20%		Brown SAND and SILT, trace vegetation, moist, no odors	0	
2					0	
			3'	Brown fine SAND trace fine GRAVEL, moist, no odors		
4	4-8	60%			0	
6					0	
					0	
8	8-12	40%				
					0	
10						
12	12-16	30%	12'	Brown coarse SAND and medium GRAVEL, moist, no odors	0	
					0	
14						
16	16-20	30%	16'	Brown fine to medium GRAVEL, wet, no odors	0	
18					0	
					0	
20				End at 20'		
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-08, 10' screen
			19	20	16	

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

BORING: **SB-16**

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: SB-17
SHEET 1 OF 1
JOB: 2150606
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 201 East First Street
GROUND SURFACE ELEVATION 925.065 (USft)
START DATE: 4/29/2015 END DATE: 4/29/2015

DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Brown SAND and SILT, trace vegetation, moist, no odors	0	
2			2'	Brown coarse SAND and SILT, trace coarse GRAVEL, moist, no odors	0	
			3'	...Trace glass, some white ash, moist, no odors		
			3.5'	Brown SILT and SAND, trace fine GRAVEL, moist, no odors		
4	4-8	40%			0	
			5'	Black ASH and CINDERS, trace GLASS (fill), moist, no odors		
6					0	
			7.5'	Brown SILT and SAND, some medium to coarse GRAVEL, moist, no odors	0	
8	8-12	60%				
					0	
10						
12	12-16	40%			0	
					0	
14						
16	16-20	40%	16'	Brown medium to coarse GRAVEL, wet, no odors	0	
18					0	
					0	
20				End at 20'		
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-09, 10' screen
			18	20	16	

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-18**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 201 East First Street
GROUND SURFACE ELEVATION 925.122 (USft)
DATUM:
START DATE: 4/29/2015 END DATE: 4/29/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2	50%		Brown SAND and SILT, trace vegetation, moist, no odors	0	
			1'	Brown SANDY SILT, trace fine GRAVEL, moist, no odors		
2	2-4	50%	2'	…grey rock fragments	0	Hit refusal at 2', redrill to 8'
			3'	…trace brick (fill)		
			3.5'	Brown coarse SAND some fine to coarse GRAVEL, moist, no odors		
4	4-8	50%			0	
6					0	
					0	
8				Refusal at 8'		
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	8	NA	

GENERAL NOTES

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

BORING: **SB-18**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** **SB-19** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC | BORING LOCATION: 201 East First Street
DRILLER: M. Pepe | GROUND SURFACE ELEVATION 924.465 (USft) | DATUM:
LABELLA REPRESENTATIVE: A. Aquilina | START DATE: 4/29/2015 END DATE: 4/29/2015

TYPE OF DRILL RIG: Geoprobe 54LT | DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA | INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore | OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	50%		Brown SAND and SILT, trace vegetation, moist, no odors		
			1'	Black ASH and CINDERS (fill), moist, slight petroleum odor		
					138	
2					20.8	
			3'	Brown/black SAND and SILT, trace fine GRAVEL, moist, slight petroleum odor		
					18	
4	4-8	60%	4'	Brown SILTY SAND, trace fine GRAVEL, moist, no odor		
			5'	…grey rock fragments	0.5	
6			6'	Brown SILTY SAND, trace fine GRAVEL, moist, no odors		
					0.5	
8	8-12	60%				
					2	
10					2.5	
			11'	Brown SILTY SAND trace fine GRAVEL, moist, no odors	0.3	
12	12-15.3	40%				
14					0.3	
	15.3-20	60%				
16					0	
			17'	Brown SAND and medium GRAVEL, moist, no odors		
18					0	
					0	
20				End at 20'		
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-10, 10' screen
			19	20	17	

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
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-20**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: Pearl Street (former)
GROUND SURFACE ELEVATION 923.486 (USft)
DATUM:
START DATE: 4/29/2015 END DATE: 4/29/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Grey ASPHALT and coarse GRAVEL, moist, no odors	0	
			1'	Brown SAND and SILT, some coarse GRAVEL, moist, no odors		
2					0	
			3'	Brown SAND and SILT trace medium GRAVEL, moist, no odors		
4	4-8	10%			0	
6					0	
8	8-12	50%			0	
10			10'	Brown SAND and medium to coarse GRAVEL, moist, no odors	0	
12	12-13.7	40%			0	
					0	
				Refusal at 13.7'		
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	13.7	NA	

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

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-21**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East (interior)
GROUND SURFACE ELEVATION 923.051 (USft)
DATUM:
START DATE: 4/30/2015 END DATE: 4/30/2015

TYPE OF DRILL RIG: Manual
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2	60%	0.5'	Grey coarse GRAVEL, moist, no odors Brown SAND and SILT, some medium GRAVEL, moist, no odors	0	
2	2-4	60%			0	
4	4-8	100%	4'	Brown SAND and SILT trace fine GRAVEL, moist, no odors	0	
6					0	
8	8-9	NA			0	macrocore liner stuck, cannot retrieve soil core
				Refusal at 9'		
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	9	NA	

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	BORING: SB-22
	Corning Hospital and Associated Parcels	SHEET 1 OF 1
	Corning, New York	JOB: 2150606
	Phase II Environmental Site Assessment	CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
BORING LOCATION: 176 Denison Parkway East
DRILLER: M. Pepe
GROUND SURFACE ELEVATION 928.907 (USft)
DATUM:
LABELLA REPRESENTATIVE: A. Aquilina
START DATE: 4/30/2015 END DATE: 4/30/2015

TYPE OF DRILL RIG: Geoprobe 54LT
DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA
INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	30%		Brown SAND and SILT, some medium GRAVEL, moist, no odors	0	
2					0	
4	4-8	30%			0	
			5'	Black ASH and CINDERS (fill) some SAND, trace white ASH, moist, no odors		
6					0	
8	8-12	40%	8'	Brown SAND and SILT, some medium to coarse GRAVEL, moist, no odors	0	
10					0	
12	12-16	70%			0	
14					0	
			14'	…grey rock fragments		
16	16-20	40%	16'	Brown SAND and medium to coarse GRAVEL, moist, no odors	0	
18					0	
				…wet		
20	20-24	50%			0	
22					0	
					0	
24				End at 24'		
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	24	19	

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 Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**BORING:** SB-23 SHEET 1 OF 1 **JOB:** 2150606 CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC | BORING LOCATION: 176 Denison Parkway East
DRILLER: M. Pepe | GROUND SURFACE ELEVATION 924.675 (USft) | DATUM:
LABELLA REPRESENTATIVE: A. Aquilina | START DATE: 4/30/2015 END DATE: 4/30/2015

TYPE OF DRILL RIG: Geoprobe 54LT | DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA | INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore | OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	60%		Black ASPHALT, moist, no odors	0	
			0.5'	Brown SANDY SILT, trace medium GRAVEL, moist, no odors		
2					0	
4	4-8	90%	4'	Brown SANDY SILT, trace fine GRAVEL, moist, no odors	0	
6					0	
8	8-12	60%			0	
10					0	
			11.5'	…grey rock fragments		
12	12-16	30%			0	
14					0	
16	16-20	40%	16'	Brown fine SAND some medium GRAVEL, wet, no odors	0	
18					0	
					0	
20				End at 20'		
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-11, 10' screen
			17	20	16	

GENERAL NOTES

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

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	BORING: **SB-24** SHEET 1 OF 1 **JOB: 2150606** CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC | BORING LOCATION: 176 Denison Parkway East
DRILLER: M. Pepe | GROUND SURFACE ELEVATION 926.467 (USft) | DATUM:
LABELLA REPRESENTATIVE: A. Aquilina | START DATE: 4/30/2015 END DATE: 4/30/2015

TYPE OF DRILL RIG: Geoprobe 54LT | DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA | INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore | OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	30%	1'	Black ASPHALT, moist, no odors Brown SANDY SILT trace fine GRAVEL, moist, no odors	0	
2					0	
4	4-8	70%			0	
6					0	
8	8-12	40%			0	
10					0	
12	12-16	0%			0	
14					0	
16	16-20	40%	16'	Brown SAND and GRAVEL, wet, no odors	0	
18					0	
20				End at 20'	0	
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	20	16	

GENERAL NOTES

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

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT	
Corning Hospital and Associated Parcels	BORING: SB-25
Corning, New York	SHEET 1 OF 1
Phase II Environmental Site Assessment	JOB: 2150606
	CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC — BORING LOCATION: 144 East First Street
DRILLER: M. Pepe — GROUND SURFACE ELEVATION 928.925 (USft) — DATUM:
LABELLA REPRESENTATIVE: A. Aquilina — START DATE: 5/1/2015 END DATE: 5/1/2015

TYPE OF DRILL RIG: Geoprobe 54LT — DRIVE SAMPLER TYPE: Direct push
AUGER SIZE AND TYPE: NA — INSIDE DIAMETER: 2"
OVERBURDEN SAMPING METHOD: macrocore — OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	30%		Brown SAND and SILT, trace wood, moist, no odors	0	
2					0	
4	4-8	70%	4'	Brown SAND and medium to coarse GRAVEL, moist, no odors	0	
6					0	
8	8-12	40%			0	
10					0	
12	12-16	0%				
14						
16	16-20	0%				
18						
20	20-24	10%		Brown GRAVEL, wet	0	
22					0	
					0	
24				End at 24'		
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-12, 10' screen
			22	24	20	

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
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-26**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 928.36 (USft)
START DATE: 5/1/2015 END DATE: 5/1/2015
DATUM:

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-4	40%		Brown SAND and SILT, trace BRICK (fill), moist, no odors	0	
2					0	
4	4-8	30%			0	
6					0	
8	8-12	60%			0	
			9'	Brown SAND and medium to coarse GRAVEL, moist, no odors		
10					0	
12	12-16	50%	16'	Brown medium GRAVEL and SAND, wet, no odors	0	
14					0	
16	16-20	50%			0	
18					0	
20	20-24	50%			0	
22			22'	Brown fine SAND, wet, no odors	0	
					0	
24				End at 24'		
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-13, 10' screen
			22	24	16	

GENERAL NOTES

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

LABELLA Associates, P.C.

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ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-29**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: TREC Environmental
DRILLER: C. Britton
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East (interior)
GROUND SURFACE ELEVATION 914.186 (USft)
DATUM:
START DATE: 5/5/2015 END DATE: 5/5/2015

TYPE OF DRILL RIG: Geoprobe 420M
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: macrocore
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
				Concrete floor slab		
0	0-4	40%		Brown SAND and SILT, trace medium GRAVEL, moist, no odors	0	
2					0	
4	4-8	30%			0	
6					0	
				…wet		
8	8-12	60%	8'	Brown coarse SAND some fine GRAVEL, wet, no odors	0	
			9.5'	Brown medium GRAVEL trace coarse SAND, wet, no odors		
10					0	
					0	
12				End at 12'		
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	12	7	

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.

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PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-30**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: TREC Environmental	BORING LOCATION:	176 Denison Parkway East (interior)	
DRILLER: C. Britton	GROUND SURFACE ELEVATION	NA	DATUM:
LABELLA REPRESENTATIVE: A. Aquilina	START DATE: 5/5/2015	END DATE: 5/5/2015	

TYPE OF DRILL RIG:	Geoprobe 420M	DRIVE SAMPLER TYPE: Direct push	
AUGER SIZE AND TYPE:	NA	INSIDE DIAMETER: 2"	
OVERBURDEN SAMPING METHOD:	macrocore	OTHER:	

DEPTH	SAMPLE: SAMPLE DEPTH	SAMPLE: SAMPLE NO. AND RECOVERY	SAMPLE: STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
				Concrete floor slab		
0	0-4	0%			0	
2					0	
4	4-8	50%	4'	Brown SAND and medium to coarse GRAVEL, wet, no odors	0	
6					0	
					0	
8				End at 8'		
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT): BOTTOM OF CASING	DEPTH (FT): BOTTOM OF BORING	DEPTH (FT): GROUNDWATER ENCOUNTERED	NOTES:
DATE	TIME	ELASPED TIME				
			NA	8	4	

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**		
	Corning Hospital and Associated Parcels	**BORING:**	**SB-31**
	Corning, New York	SHEET	1 OF 1
	Phase II Environmental Site Assessment	**JOB:**	**2150606**
		CHKD BY:	DPN

CONTRACTOR:	TREC Environmental	BORING LOCATION:	176 Denison Parkway East (interior)	
DRILLER:	C. Britton	GROUND SURFACE ELEVATION	922.94 (USft)	DATUM:
LABELLA REPRESENTATIVE: A. Aquilina		START DATE: 5/5/2015	END DATE: 5/5/2015	

TYPE OF DRILL RIG:	Geoprobe 420M	DRIVE SAMPLER TYPE: Direct push	
AUGER SIZE AND TYPE:	NA	INSIDE DIAMETER: 2"	
OVERBURDEN SAMPING METHOD:	macrocore	OTHER:	

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
				Concrete floor slab		
0	0-2	10%			0	
			1.5'	Brown SAND some fine to medium GRAVEL, moist, no odors		
2	2-6	70%			0	
4					0	
				Brown SANDY SILT trace fine GRAVEL, moist, no odors		
6	6-10	95%	6'		0	
8					0	
10	10-14	60%			0	
12			12'	Brown medium GRAVEL and SAND, wet, no odors	0	
14	14-18	0%			0	
16					0	
					0	
18				End at 18'		
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-07, 10' screen
			18	18	12	

GENERAL NOTES

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

BORING: SB-31

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	BORING: SB-32 SHEET 1 OF 1 JOB: 2150606 CHKD BY: DPN

CONTRACTOR: NYEG
DRILLER: B. Guyette
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 927.125 (USft)
DATUM:
START DATE: 5/5/2015 END DATE: 5/5/2015

TYPE OF DRILL RIG: Rotary drill rig
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: split spoon
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2	10%		Black ASPHALT, moist, no odors	0	
			1.5'	Brown/grey SAND and GRAVEL, moist, no odors		
2					0	
					0	
4				End at 4'		
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	4	NA	

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

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-33**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: NYEG
DRILLER: B. Guyette
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 926.585(USft)
START DATE: 5/5/2015 END DATE: 5/5/2015
DATUM:

TYPE OF DRILL RIG: Rotary drill rig
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: split spoon

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2	10%		Black ASPHALT, moist, no odors	0	
			1.5'	Brown/grey SAND and GRAVEL, moist, no odors		
2					0	
					0	
4				End at 4'		
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	4	NA	

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.

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PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-34**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: NYEG
DRILLER: B. Guyette
LABELLA REPRESENTATIVE: A. Aquilina
BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 925.376(USft)
DATUM:
START DATE: 5/5/2015 END DATE: 5/5/2015

TYPE OF DRILL RIG: Rotary drill rig
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: split spoon
DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2	10%		Black ASPHALT, moist, no odors	0	
			1.5'	Brown/grey SAND and GRAVEL, moist, no odors		
2					0	
					0	
4				End at 4'		
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	4	NA	

GENERAL NOTES

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

BORING: **SB-34**

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

BORING: **SB-35**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: NYEG
DRILLER: B. Guyette
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: 176 Denison Parkway East
GROUND SURFACE ELEVATION 925.106(USft)
START DATE: 5/5/2015 END DATE: 5/5/2015

DATUM:

TYPE OF DRILL RIG: Rotary drill rig
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPING METHOD: split spoon

DRIVE SAMPLER TYPE: Direct push
INSIDE DIAMETER: 2"
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0	0-2	10%		Black ASPHALT, moist, no odors	0	
			1.5'	Brown/grey SAND and GRAVEL, moist, no odors		
2			2'	Black/grey ASH and CINDERS (fill)	0	
					0	
4				End at 4'		
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						
26						

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			NA	4	NA	

GENERAL NOTES

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

BORING: **SB-35**

TEST PIT LOGS

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

TEST PIT: **TP-01**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC
OPERATOR J. Heerkens
LABELLA REPRESENTATIVE: A. Aquilina

LOCATION 176 Denison Parkway East
GROUND SURFACE ELEVATION NA
START DATE: 5/8/2015 END DATE: 5/8/2015

DATUM:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.3'	Asphalt 0-4" Brown SAND and SILT, trace vegetation, moist, no odor		
			1.5	…glass bottle		Fill 1.5'
2						
					0	
4						
6						
				End at 7'		
8						
10						

DEPTH (FT)	
BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED
7	NA

NOTES:

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

TEST PIT: **TP-01**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**TEST PIT:** **TP-02** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC
OPERATOR J. Heerkens
LABELLA REPRESENTATIVE: A. Aquilina
LOCATION 176 Denison Parkway East
GROUND SURFACE ELEVATION NA
DATUM:
START DATE: 5/8/2015 END DATE: 5/8/2015

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
				Asphalt 0-4"		
0			0.3'	Brown SAND and SILT, trace vegetation, moist, no odor		
2			2.5'	ASH and CINDERS trace metal (wire), ceramic cups	0	Fill 2.5-6'
4						
6			6'	Native soils- brown SAND and SILT, moist, no odors		
				End at 7'		
8						
10						

DEPTH (FT) BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	NOTES:
7	NA	

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** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**TEST PIT:** **TP-03** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC
OPERATOR J. Heerkens
LABELLA REPRESENTATIVE: A. Aquilina

LOCATION 176 Denison Parkway East
GROUND SURFACE ELEVATION NA
START DATE: 5/8/2015 END DATE: 5/8/2015

DATUM:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.3'	Asphalt 0-4" Brown SAND and SILT, trace vegetation, moist, no odor		
2			2'	…white ASH		Fill 2-3.5'
			3'	…trace WOOD	0	
4			3.5'	Native soils- brown SAND and SILT, moist, no odors		
				End at 5'		
6						
8						
10						

DEPTH (FT)		
BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	NOTES:
5	NA	

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

TEST PIT: **TP-03**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**TEST PIT:** **TP-04** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC — LOCATION 176 Denison Parkway East
OPERATOR J. Heerkens — GROUND SURFACE ELEVATION NA — DATUM:
LABELLA REPRESENTATIVE: A. Aquilina — START DATE: 5/8/2015 END DATE: 5/8/2015

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
				Asphalt 0-4"		
0			0.3'	Brown SAND and SILT, trace vegetation, moist, no odor		
			1'	Black ASH and CINDERS, moist, no odor		Fill 1-4'
2			2'	…wood, brick pavers, metal	0	
4			4'	Concrete (apparent building foundation)		
				Refusal at 4'		
6						
8						
10						

DEPTH (FT)		NOTES:
BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
4	NA	

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

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

TEST PIT: **TP-05**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC
OPERATOR J. Heerkens
LABELLA REPRESENTATIVE: A. Aquilina
LOCATION 176 Denison Parkway East
GROUND SURFACE ELEVATION NA
START DATE: 5/8/2015 END DATE: 5/8/2015
DATUM:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.3'	Asphalt 0-4" Brown SAND and SILT, moist, no odor		
			1'	Black ASH and CINDERS, moist, no odor		
2						
			3'	…ceramic, brick, concrete, wood	0	Fill 1-5'
4						
			5'	Native soils- brown SAND and SILT, moist, no odor		
				End at 5'		
6						
8						
10						

DEPTH (FT)	
BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED
5	NA

NOTES:

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

TEST PIT: **TP-05**

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**TEST PIT:** **TP-06** SHEET 1 OF 1 **JOB:** **2150606** CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC — LOCATION 176 Denison Parkway East
OPERATOR J. Heerkens — GROUND SURFACE ELEVATION NA — DATUM:
LABELLA REPRESENTATIVE: A. Aquilina — START DATE: 5/8/2015 END DATE: 5/8/2015

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.3'	Brown SAND and SILT, moist, no odor		
			1'	…some glass (1-3'), rope, concrete		
2						
			3'	…some white ash (3-4')	0	Fill 1-6'
4				…trace brick (4-6')		
6						
				End at 7'		
8						
10						

DEPTH (FT)		NOTES:
BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	
7	NA	

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
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

TEST PIT: **TP-07**
SHEET 1 OF 1
JOB: **2150606**
CHKD BY: DPN

CONTRACTOR: LaBella Environmental LLC
OPERATOR J. Heerkens
LABELLA REPRESENTATIVE: A. Aquilina

LOCATION 176 Denison Parkway East
GROUND SURFACE ELEVATION NA
START DATE: 5/8/2015 END DATE: 5/8/2015

DATUM:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
0			0.3'	Brown SAND and SILT, moist, no odor		
2			2.5'	Black ASH and CINDERS, some brick and concrete, moist, no odors …glass pieces, glass bottles, ceramic cups, fuze box, clay jug, wire (2.5-8')	0	
4						
6						Fill 2.5-8'
8						
10				End at 9'		

DEPTH (FT) BOTTOM OF TEST PIT	GROUNDWATER ENCOUNTERED	NOTES:
9	NA	

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

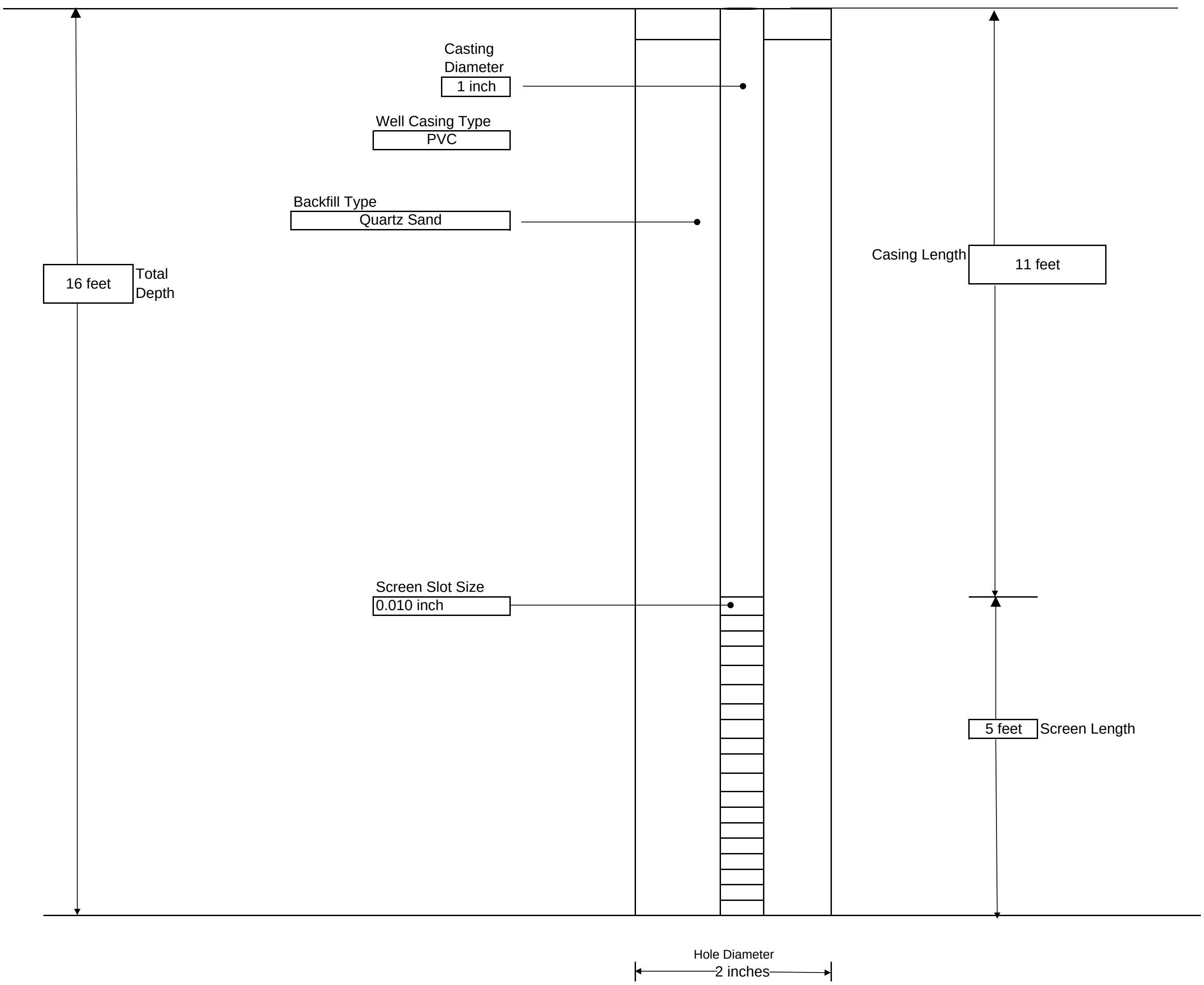
TEST PIT: **TP-07**

MONITORING WELL CONSTRUCTION DIAGRAMS

LABELLA Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	**PROJECT** Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	**MONITORING WELL: MW-01** **SHEET** 1 OF 1 **JOB #** 2150606

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	SB-01
DRILLER:	M. Pepe	GROUND SURFACE ELEVATION:	924.685 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 4/27/2015	END DATE: 4/27/2015

TYPE OF DRILL RIG:	Geoprobe 54LT
AUGER SIZE AND TYPE:	NA
OVERBURDEN SAMPLING METHOD:	macrocore
ROCK DRILLING METHOD:	NA



NOTE: NOT TO SCALE

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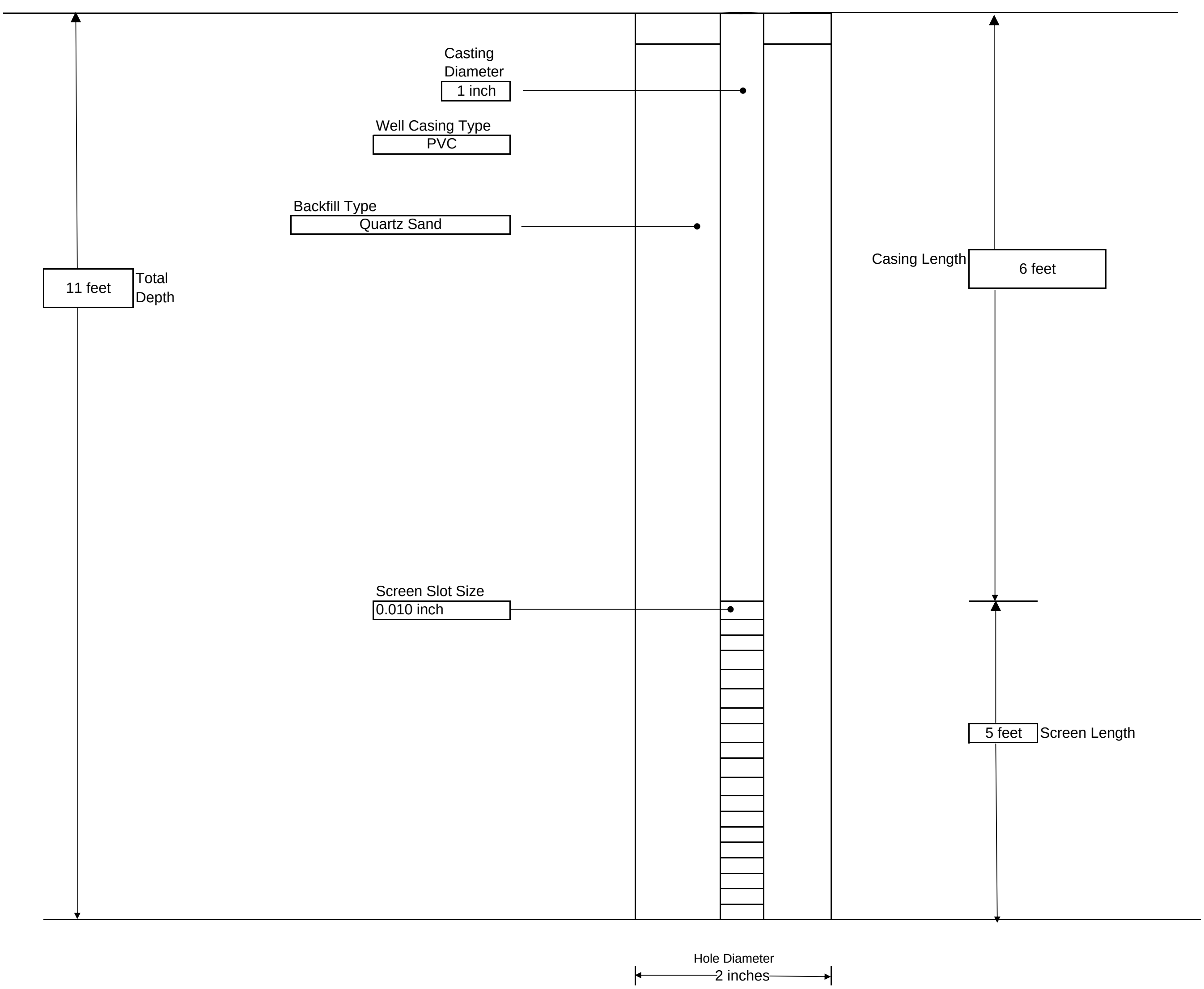
CONTRACTOR: LaBella Env. LLC
DRILLER: M. Pepe
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: SB-02
GROUND SURFACE ELEVATION: 924.76 (USft)
START DATE: 4/27/2015 END DATE: 4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

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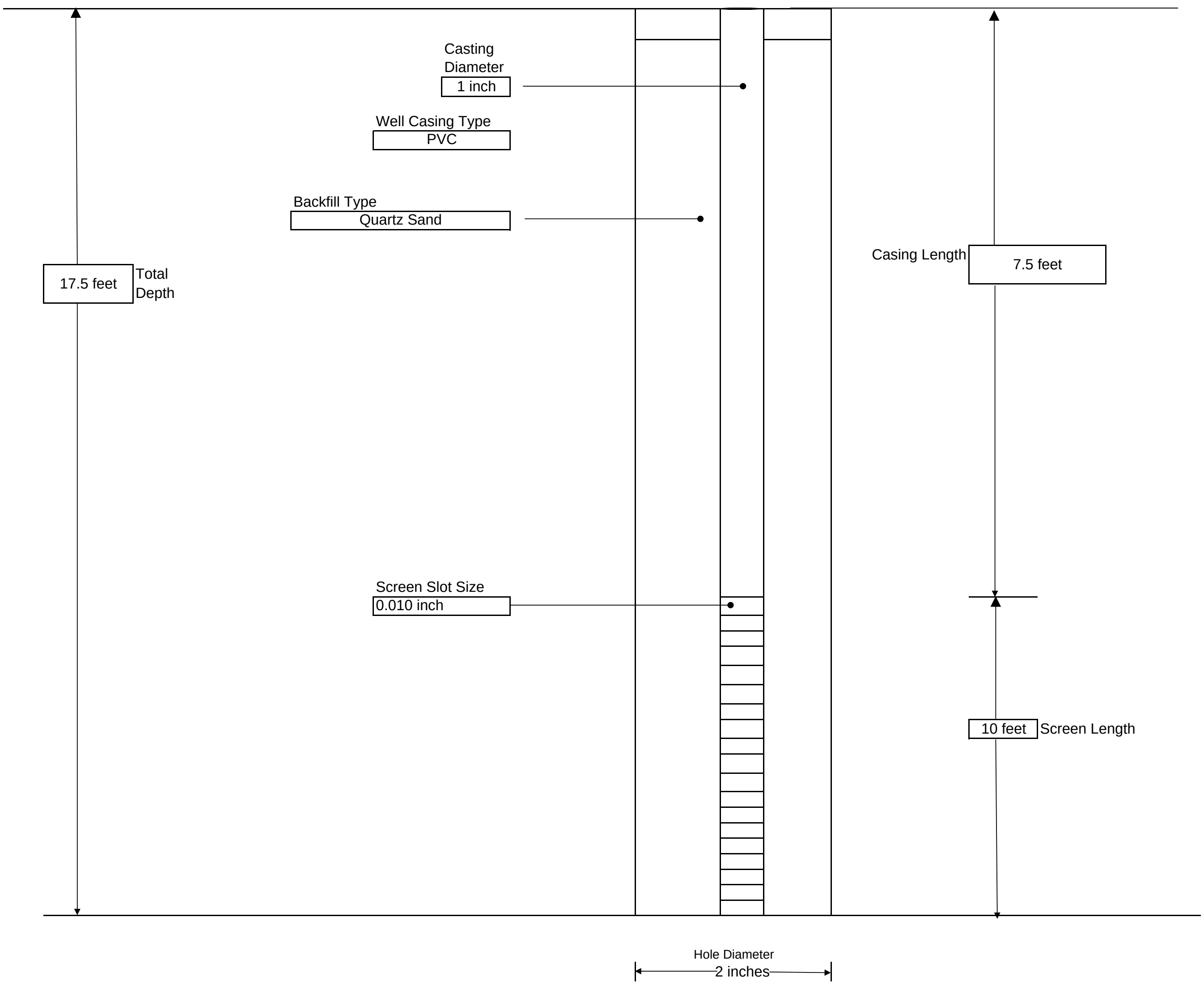
CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	SB-04
DRILLER:	M. Pepe	GROUND SURFACE ELEVATION:	923.915 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 4/27/2015	END DATE: 4/27/2015

TYPE OF DRILL RIG:	Geoprobe 54LT
AUGER SIZE AND TYPE:	NA
OVERBURDEN SAMPLING METHOD:	macrocore
ROCK DRILLING METHOD:	NA



NOTE: NOT TO SCALE

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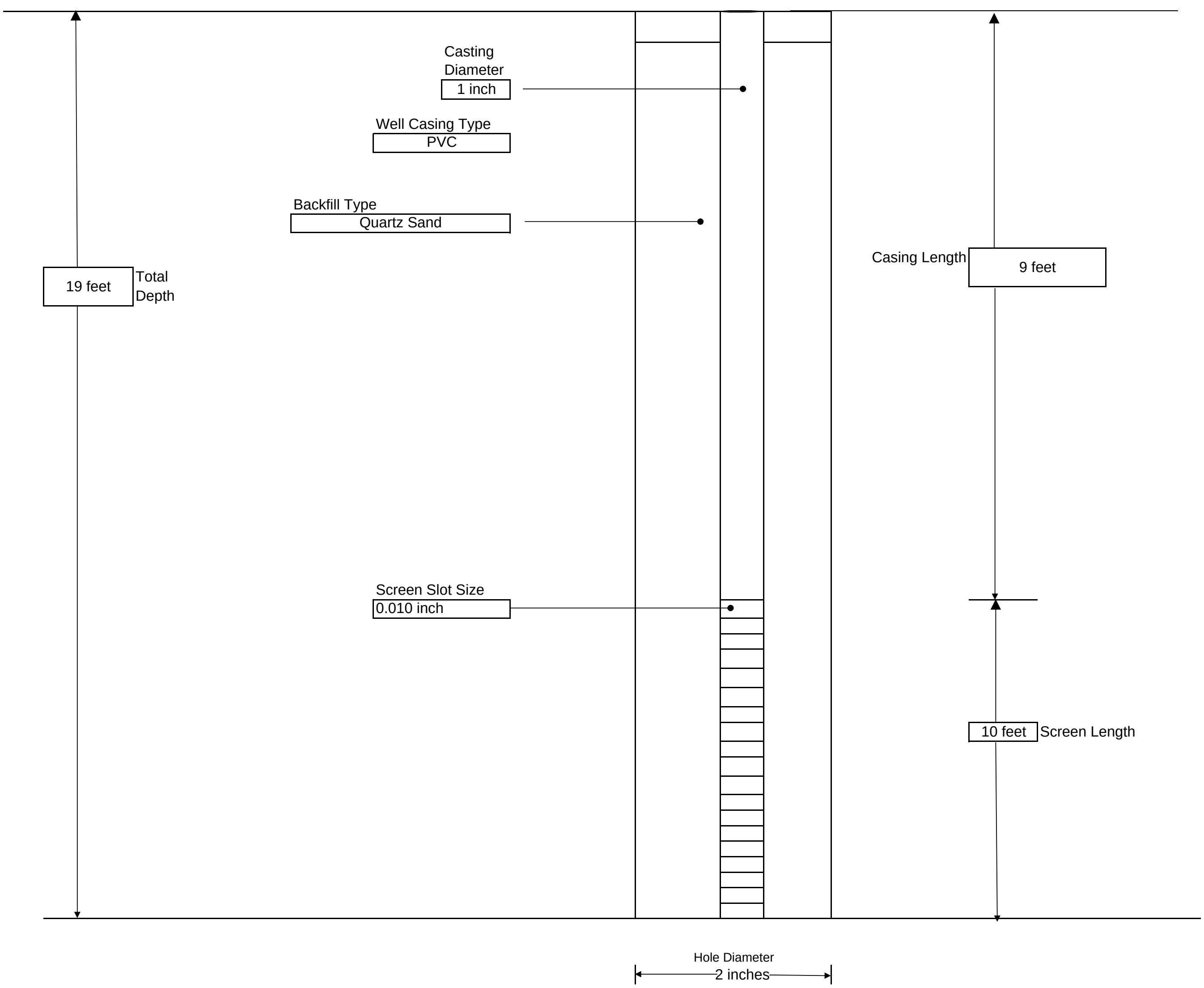
PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

MONITORING WELL: MW-04
SHEET 1 OF 1
JOB # 2150606

CONTRACTOR: LaBella Env. LLC	BORING LOCATION: SB-07		
DRILLER: M. Pepe	GROUND SURFACE ELEVATION: 925.855 (USft)		
LABELLA REPRESENTATIVE: A. Aquilina	START DATE: 4/27/2015	END DATE:	4/27/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

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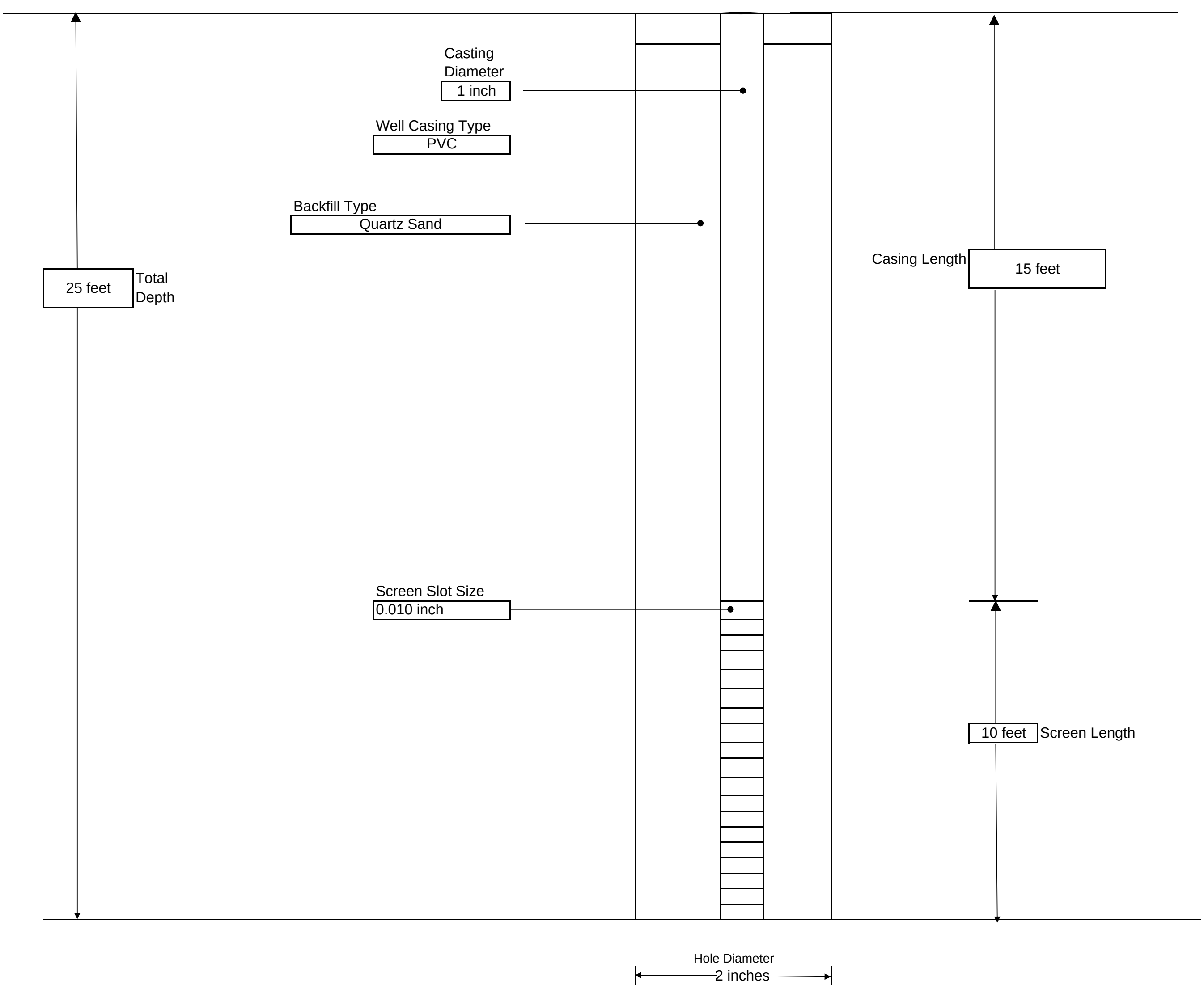
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

MONITORING WELL: MW-05
SHEET 1 OF 1
JOB # 2150606

CONTRACTOR:	NYEG	BORING LOCATION:	SB-27
DRILLER:	B. Guyette	GROUND SURFACE ELEVATION:	930.605 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 5/5/2015	END DATE: 5/5/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

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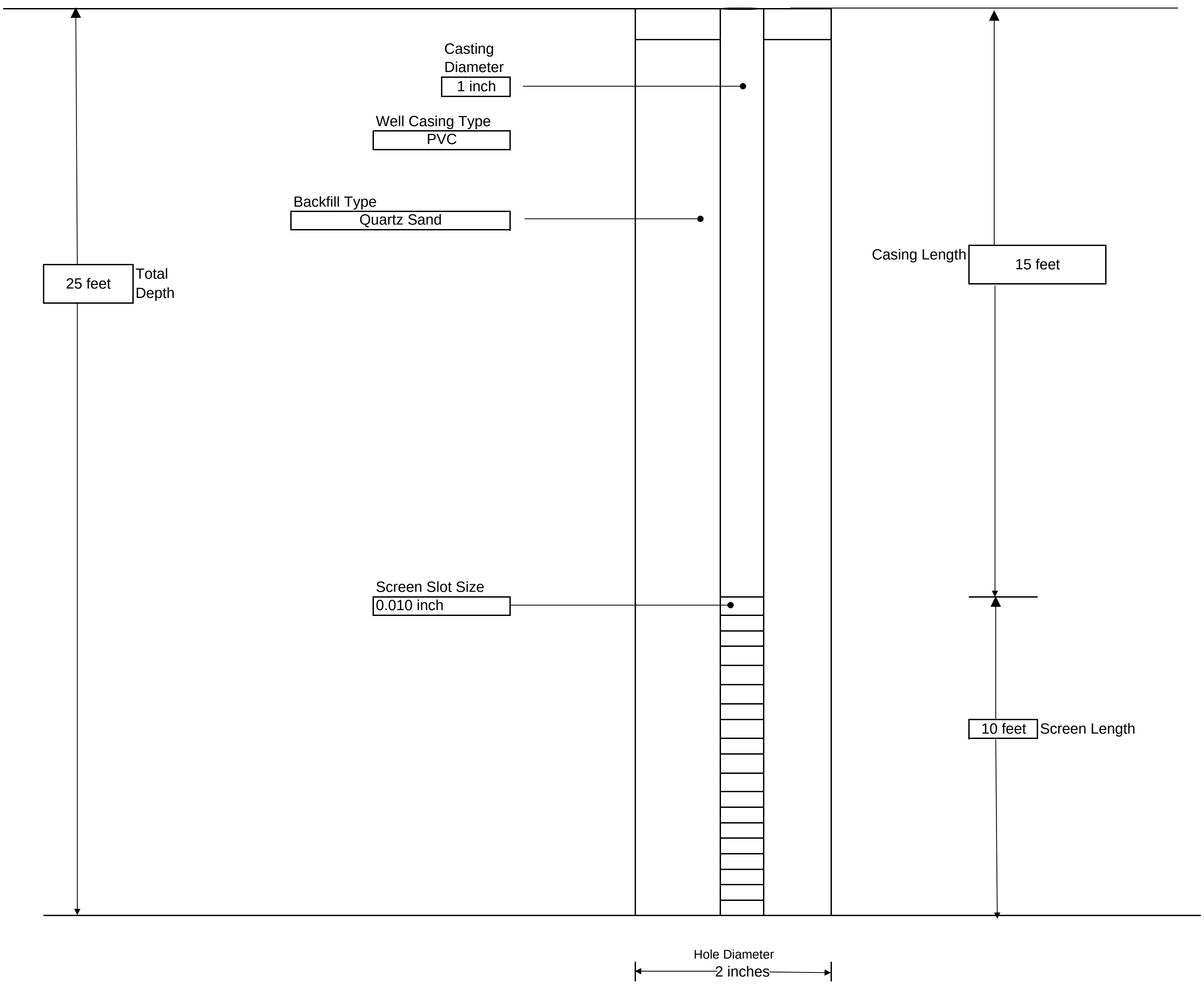
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

MONITORING WELL: MW-06
SHEET 1 OF 1
JOB # 2150606

CONTRACTOR:	NYEG	BORING LOCATION:	SB-28
DRILLER:	B. Guyette	GROUND SURFACE ELEVATION:	930.355 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 5/5/2015	END DATE: 5/5/2015

TYPE OF DRILL RIG:	Geoprobe 54LT
AUGER SIZE AND TYPE:	NA
OVERBURDEN SAMPLING METHOD:	macrocore
ROCK DRILLING METHOD:	NA



NOTE: NOT TO SCALE

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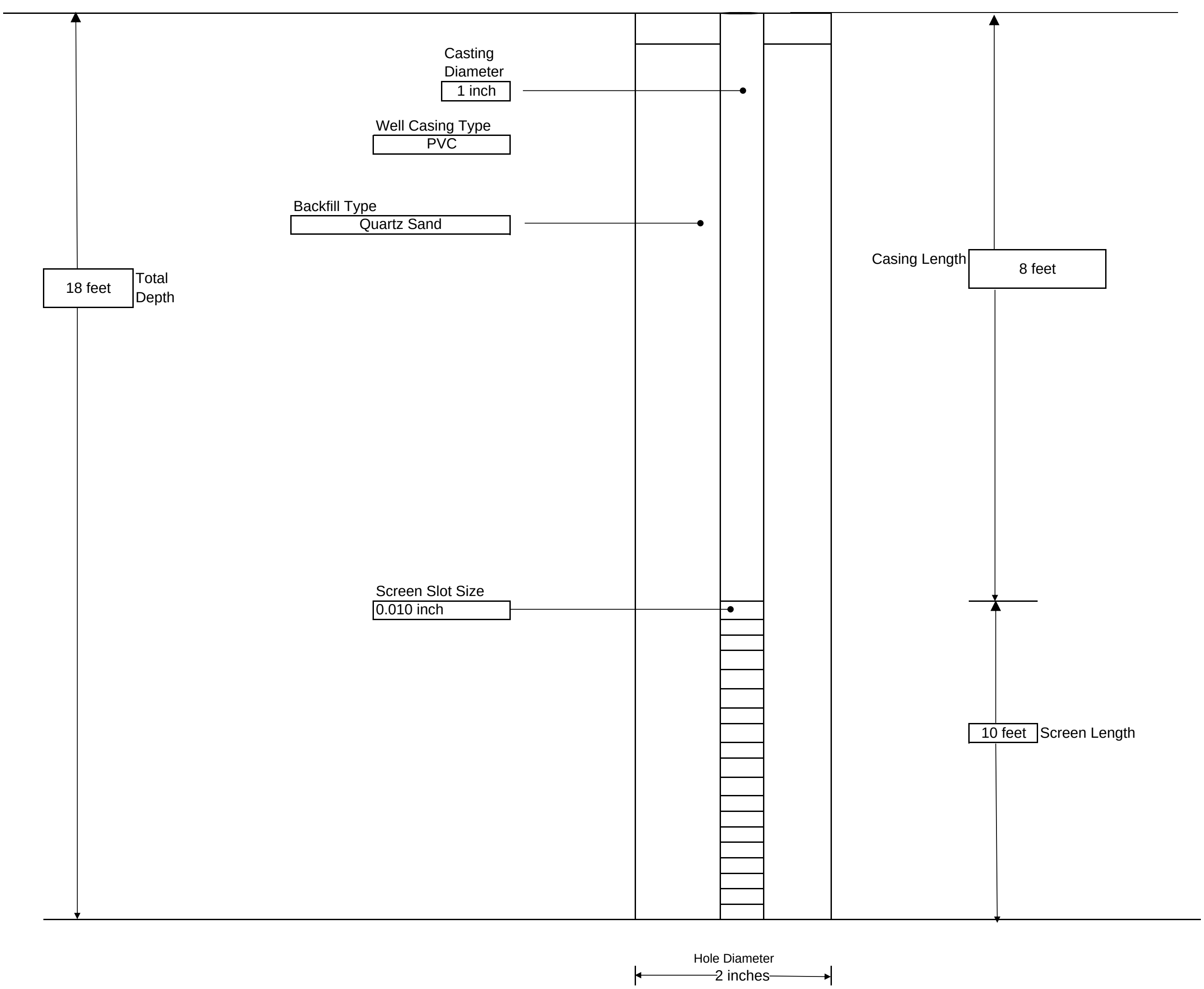
CONTRACTOR: TREC Environmental
DRILLER: C. Britton
LABELLA REPRESENTATIVE: A. Aquilina

BORING LOCATION: SB-31
GROUND SURFACE ELEVATION: 922.94 (USft)
START DATE: 5/5/2015 END DATE: 5/5/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

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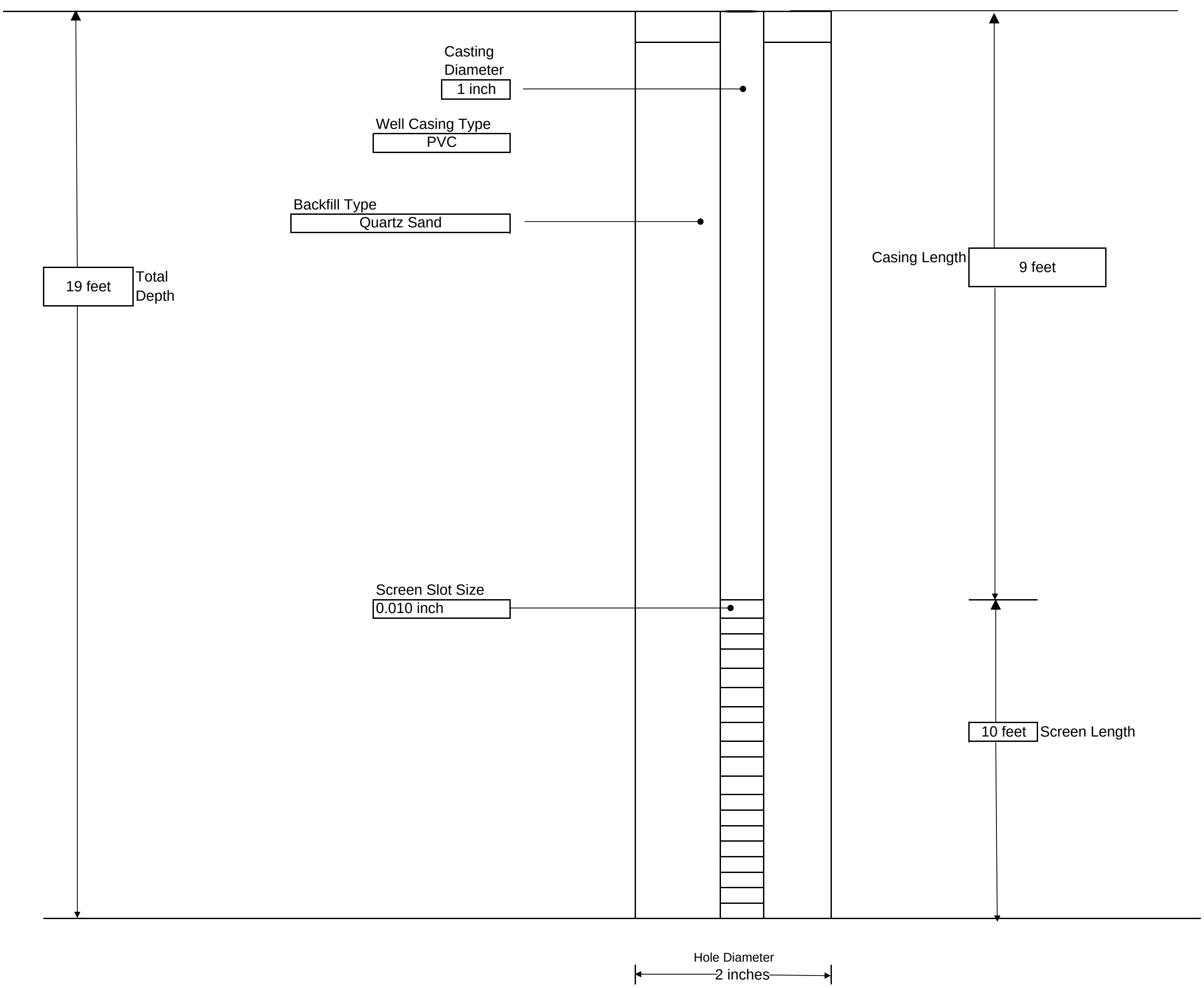
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

MONITORING WELL: MW-08
SHEET 1 OF 1
JOB # 2150606

CONTRACTOR: LaBella Env. LLC		BORING LOCATION: SB-16	
DRILLER: M. Pepe		GROUND SURFACE ELEVATION: 925.825 (USft)	
LABELLA REPRESENTATIVE: A. Aquilina		START DATE: 4/29/2015	END DATE: 4/29/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

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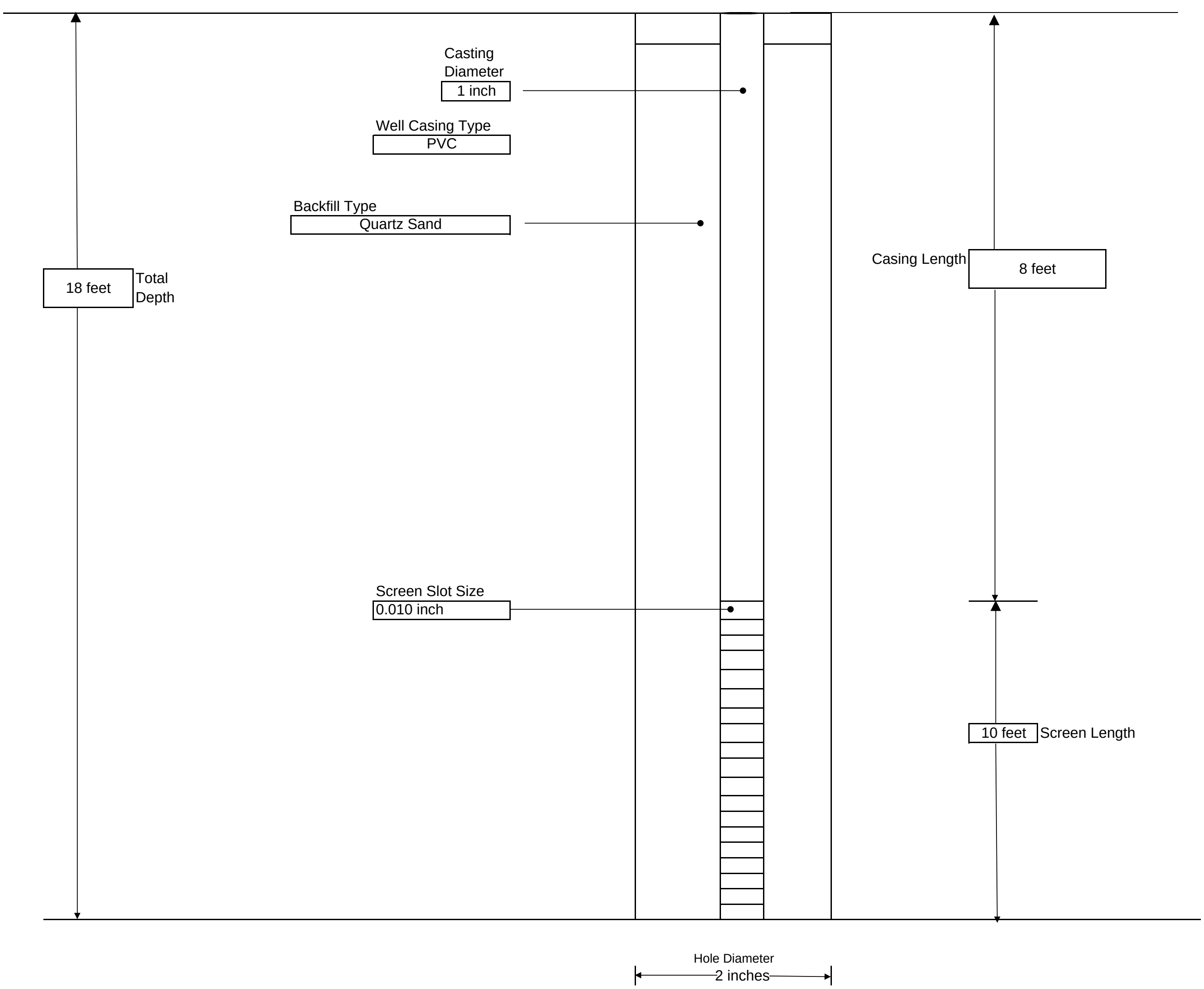
CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	SB-17
DRILLER:	M. Pepe	GROUND SURFACE ELEVATION:	925.025 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 4/29/2015	END DATE: 4/29/2015

TYPE OF DRILL RIG:	Geoprobe 54LT
AUGER SIZE AND TYPE:	NA
OVERBURDEN SAMPLING METHOD:	macrocore
ROCK DRILLING METHOD:	NA



NOTE: NOT TO SCALE

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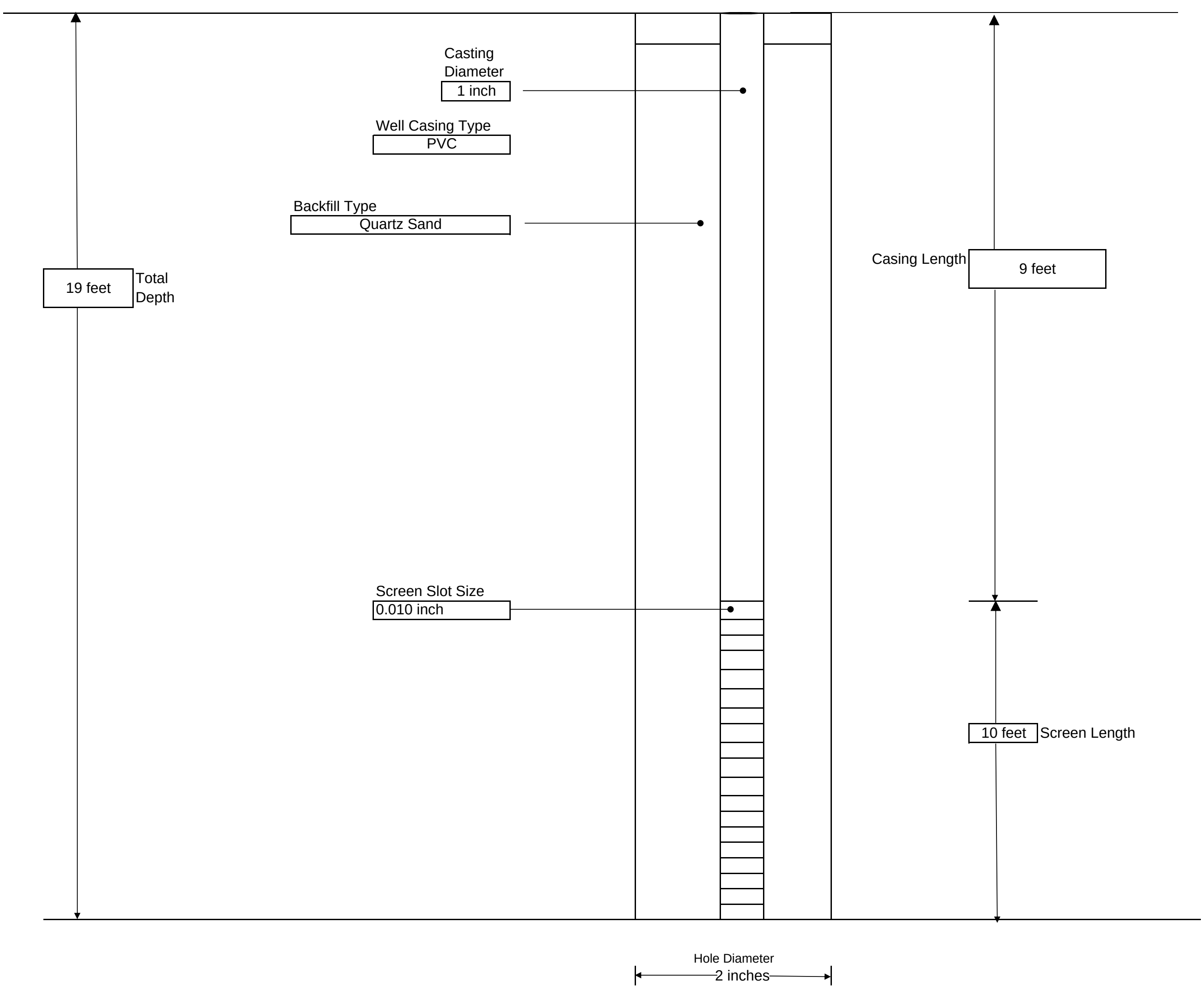
Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

MONITORING WELL: MW-10
SHEET 1 OF 1
JOB # 2150606

CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	SB-19
DRILLER:	M. Pepe	GROUND SURFACE ELEVATION:	924.465 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 4/29/2015	END DATE: 4/29/2015

TYPE OF DRILL RIG:	Geoprobe 54LT
AUGER SIZE AND TYPE:	NA
OVERBURDEN SAMPLING METHOD:	macrocore
ROCK DRILLING METHOD:	NA



NOTE: NOT TO SCALE

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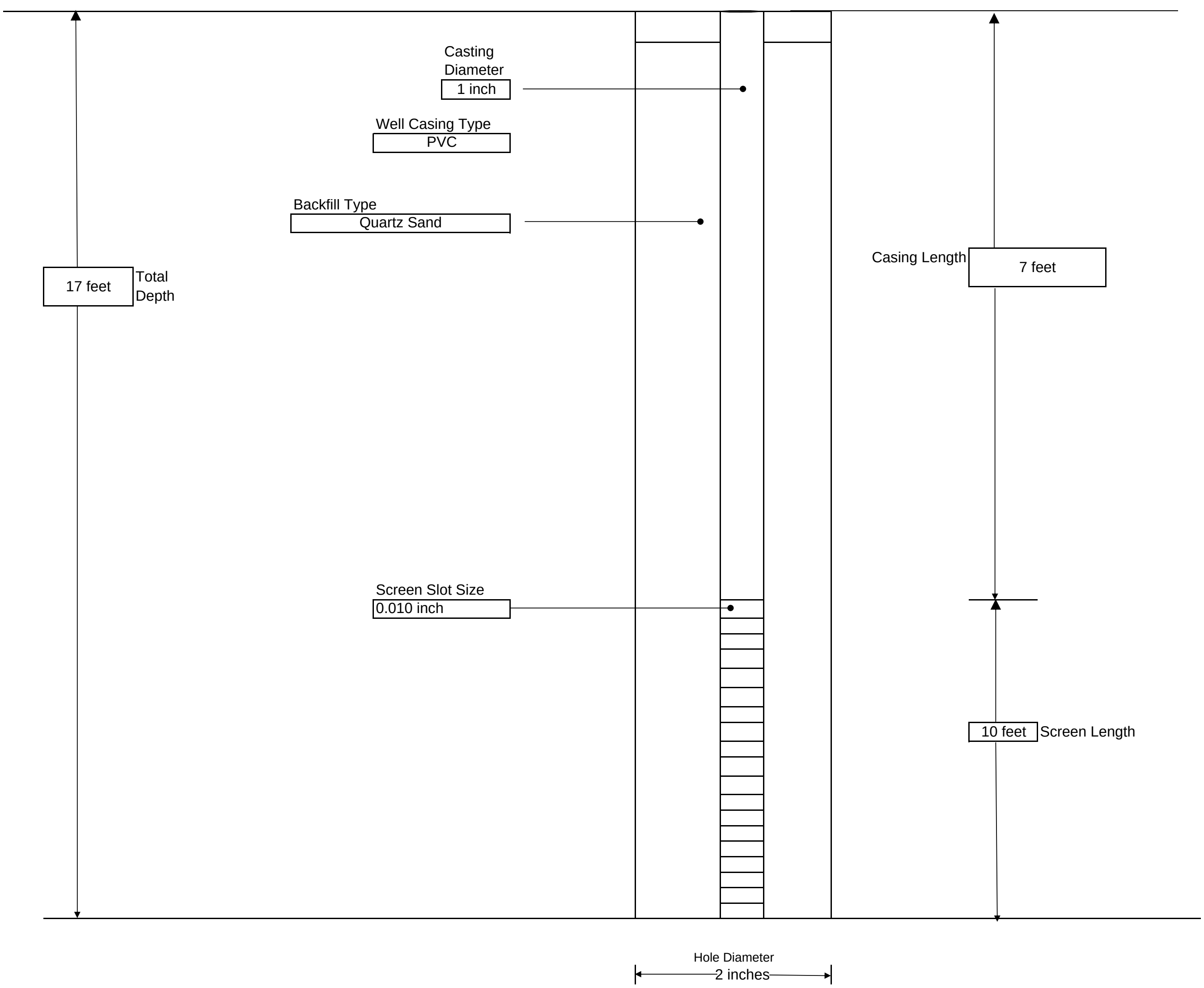
CONTRACTOR: LaBella Env. LLC	BORING LOCATION: SB-23		
DRILLER: M. Pepe	GROUND SURFACE ELEVATION: 924.675 (USft)		
LABELLA REPRESENTATIVE: A. Aquilina	START DATE: 4/30/2015	END DATE: 4/30/2015	

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

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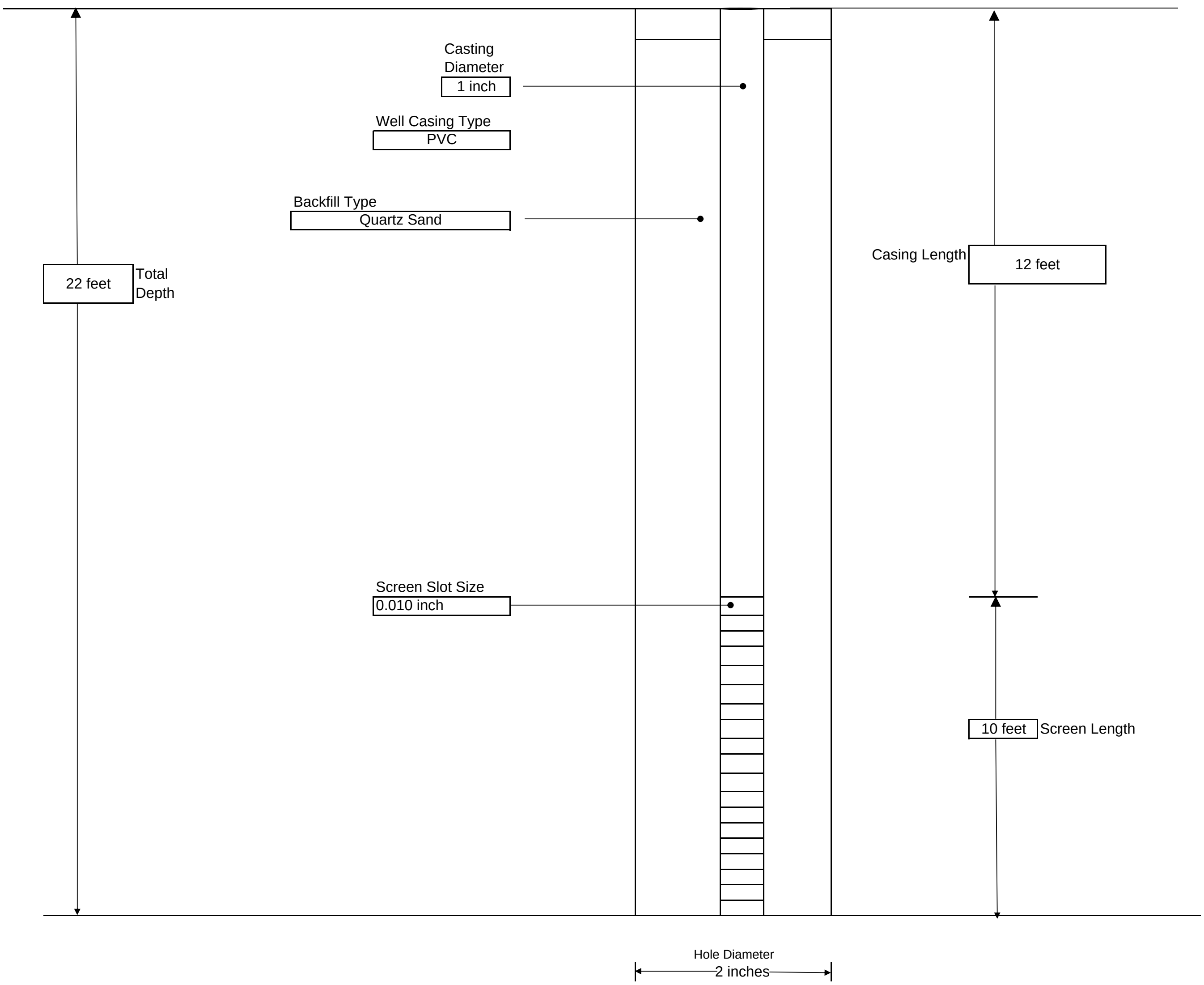
CONTRACTOR:	LaBella Env. LLC	BORING LOCATION:	SB-25
DRILLER:	M. Pepe	GROUND SURFACE ELEVATION:	928.925 (USft)
LABELLA REPRESENTATIVE:	A. Aquilina	START DATE: 5/1/2015	END DATE: 5/1/2015

TYPE OF DRILL RIG:	Geoprobe 54LT
AUGER SIZE AND TYPE:	NA
OVERBURDEN SAMPLING METHOD:	macrocore
ROCK DRILLING METHOD:	NA



NOTE: NOT TO SCALE

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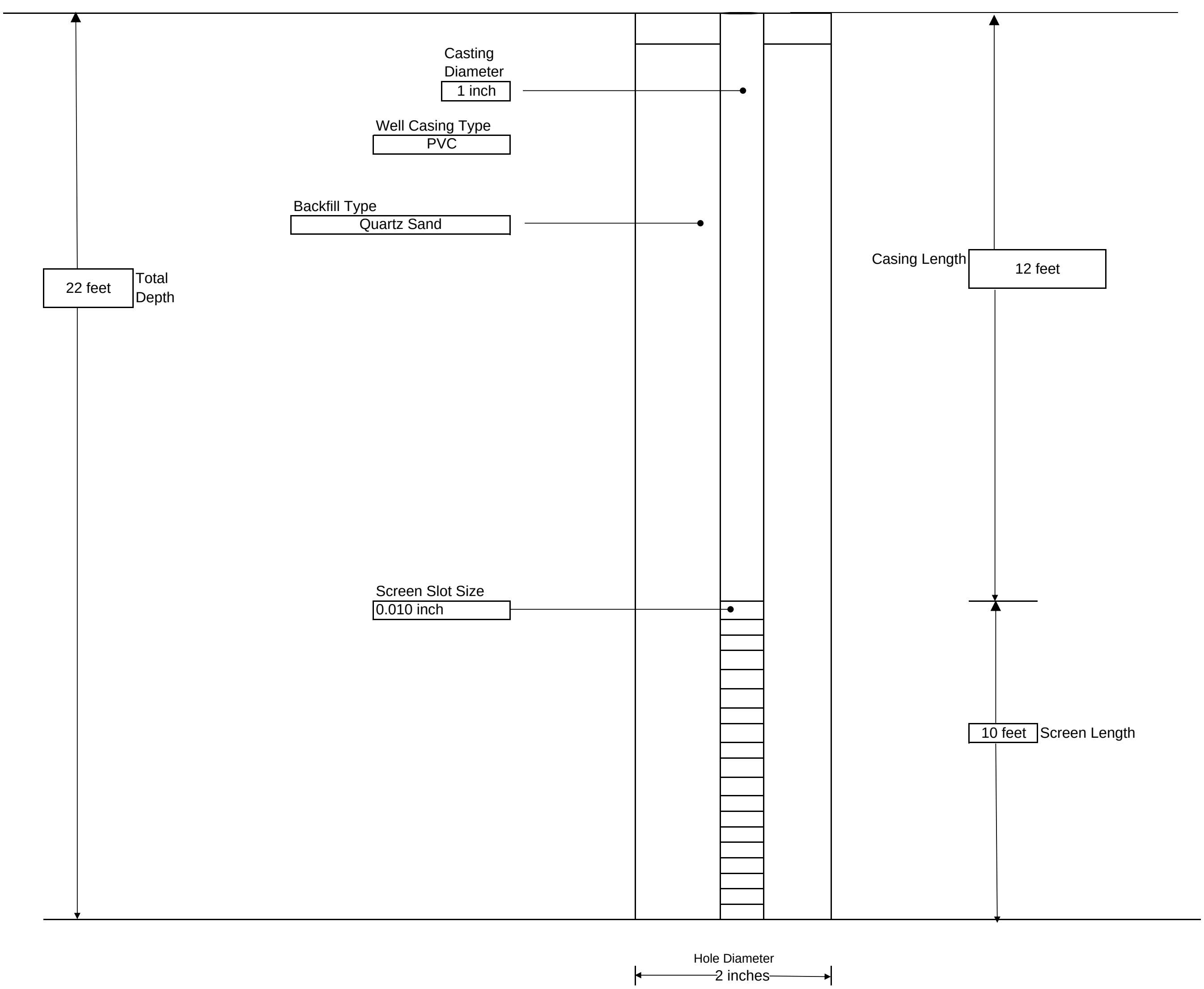
PROJECT

Corning Hospital and Associated Parcels
Corning, New York
Phase II Environmental Site Assessment

MONITORING WELL: MW-13
SHEET 1 OF 1
JOB # 2150606

CONTRACTOR: LaBella Env. LLC		BORING LOCATION: SB-25	
DRILLER: M. Pepe		GROUND SURFACE ELEVATION: 928.36 (USft)	
LABELLA REPRESENTATIVE: A. Aquilina		START DATE: 5/1/2015	END DATE: 5/1/2015

TYPE OF DRILL RIG: Geoprobe 54LT
AUGER SIZE AND TYPE: NA
OVERBURDEN SAMPLING METHOD: macrocore
ROCK DRILLING METHOD: NA



NOTE: NOT TO SCALE

LOW FLOW GROUNDWATER SAMPLING LOGS

LABELLA Associates, P.C.

300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: ~~MW-SB2~~ MW-03

Project Name: Corning Hospital
Location:
Project No.:
Sampled By: AA
Date: 5/6
Weather:

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 17.75
Measuring Point: Top of PVC
Pump Type: 1.75" Bladder pump

Static Water Level: 15.71
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: ¼" 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		
710	150	0.2	7.66	13.3	2.16	~~13.00~~ 1306	9.56	217.3	15.79	
715		0.25	7.77	13.2	1.20	948	8.67	213.8	15.76	
720		0.3	7.68	13.2	2.14	117	8.56	210.6	15.73	
725		0.35	7.69	13.2	2.13	80.5	8.54	208.5	15.71	
730		0.40	7.68	13.2	2.12	37.5	8.58	207.1	15.71	
735		0.45	7.68	13.2	2.10	34.0	7.95	205.4	15.71	
740		0.5	7.68	13.2	2.11	22.5	7.80	205.3	15.71	
									15.71	Sample 740

Total 0.5 Gallons Purged

Purge Time Start: 710
Purge Time End: 740
Final Static Water Level: 15.71

OBSERVATIONS

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

WELL I.D.: ~~MW-SB2~~ MW-4

Project Name:
Location:
Project No.:
Sampled By:
Date:
Weather:

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 19.20
Measuring Point: Top of PVC
Pump Type: 1.75" Bladder pump

Static Water Level: 17.05
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: ¼" 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		
855	152	0.1	6.78	11.1	4.82	108	8.13	236.6	17.94	
900		0.15	6.76	11.1	4.85	129	7.35	236.8	17.85	
905		0.2	6.75	11.1	4.87	103	~~6.75~~	236.7	17.81	
910		0.25	6.75	11.2	4.88	49.8	7.79	235.2	17.80	
915		0.3	6.75	11.4	4.86	40.1	7.65	233.9	17.76	
920		0.35	6.75	11.4	4.85	38.3	7.63	233.8	17.72	Sample 920

Total 0.35 Gallons Purged

Purge Time Start: 855
Purge Time End: 920
Final Static Water Level: 17.70

OBSERVATIONS

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Rochester, New York 14614
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Facsimile: (585) 454-3066

WELL I.D.: ~~MW-SB2~~ MW-05

Project Name:
Location:
Project No.:
Sampled By:
Date:
Weather:

WELL SAMPLING INFORMATION

Well Diameter:	2"	Static Water Level:	22.12
Depth of Well:	23.69	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	
Pump Type:	1.75" Bladder pump	Tubing Type:	¼" 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		
1140	150	0.05	7.48	13.0	1.65	716	3.04	99.0	22.10	
1145		0.1	7.42	13.4	1.65	112	2.63	-2.3	22.10	
1150		0.15	7.40	13.6	1.63	23.6	2.72	-0.8	22.12	
1155		0.2	7.40	13.6	1.63	15.1	2.86	7.6	22.12	
1200		0.25	7.40	13.6	1.63	15.4	2.78	7.2	22.12	

Total 0.25 Gallons Purged

Purge Time Start: 1140 Purge Time End: 1200 Final Static Water Level: 22.12

OBSERVATIONS

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Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: ~~MW-SB2~~ MW-06

Project Name:
Location:
Project No.:
Sampled By:
Date:
Weather:

WELL SAMPLING INFORMATION

Well Diameter:	2"	Static Water Level:	21.89
Depth of Well:	24.85	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	
Pump Type:	1.75" Bladder pump	Tubing Type:	¼" 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		
1205	150	0.05	7.77	14.2	2.02	854	4.76	82.8	23.29	
1210	150	0.10	7.46	14.0	2.03	9.7	3.35	-11.5	23.41	
1215	150	0.15	7.37	14.2	2.06	679	4.87	-1.1	23.63	
1220		0.20	7.38	13.8	2.04	101	2.89	-23.1	23.20	
1225		0.25	7.34	14.1	2.01	49.8	5.77	2.6	23.22	
1230		0.3	7.32	14.4	2.00	34.6	6.89	43.2	23.25	
1235		0.35	7.32	14.5	2.06	34.9	7.02	48.3	23.26	Sample 1235

Total ______ Gallons Purged

Purge Time Start: 1205

Purge Time End:

Final Static Water Level:

OBSERVATIONS

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Rochester, New York 14614
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Facsimile: (585) 454-3066

WELL I.D.: MW-~~SB2~~ 07

Project Name: Corning Hospital
Location: Corning NY
Project No.: 2150606
Sampled By: RJS
Date: 5/6/15
Weather: overcast High 50's

WELL SAMPLING INFORMATION

Well Diameter: ~~2"~~ 1"
Depth of Well: 16.56
Measuring Point: Top of PVC
Pump Type: 1.75" Bladder pump

Static Water Level: 14.87'
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: ¼" 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		
09:45		0.25	7.69	13.8	0.021	>1000	7.37 ~~[illegible]~~ RS	75.3	15.07	brown, no odor
09:50		0.5	7.44	14.4	0.018	1000	6.53 ~~[illegible]~~ RS	80.9	15.09	brown, no odor
09:55		0.625	7.37	14.5	0.017	176	6.69	85.2	15.12	brown, no odor
10:00		0.75	7.36	14.3	0.017	91	6.61	86.7	15.13	brown, no odor
10:05		1.0	7.38	14.3	0.017	59	6.56	87.8	15.12	lt. brown, no odor
10:10		1.25	7.44	14.3	0.017	68	6.43	90.0	15.13	lt. brown, no odor
10:15		1.5	7.46	14.2	0.017	41	6.40	90.8	15.13	cloudy, no odor
10:20		1.625	7.48	14.2	0.017	63	6.37	91.5	15.13	cloudy, no odor
10:25		1.875	7.48	14.1	0.017	32	6.35	92.1	15.13	clear, no odor
10:30		2.0	7.48	14.1	0.017	30	6.23	92.8	15.13	clear, no odor
10:35		2.25	7.49	14.1	0.017	64	6.24	92.8	15.14	cloudy, no odor
11:00	— Sampled	—	7.48	14.0	0.017	39	5.32	105.2	15.14	end of sample collection — final reading

Total 2.25 Gallons Purged

Purge Time Start: 09:46
Purge Time End: 10:35
Final Static Water Level: 15.14

OBSERVATIONS

LABELLA Associates, P.C.

300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: ~~MW-SB2~~ mw-08

Project Name:
Location:
Project No.:
Sampled By: AA
Date: 5/5
Weather: Overcast 75°

WELL SAMPLING INFORMATION

Well Diameter: ~~2"~~ 1
Depth of Well: 18.45
Measuring Point: Top of PVC
Pump Type: 1.75" Bladder pump

Static Water Level: 17.65
Length of Well Screen:
Depth to Top of Pump: 18
Tubing Type: ¼" 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
	150		+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
1450		0.2	7.88	18.6	0.024	—	14.00	116.7	18.39	Stop pump to Recharge @ 1455
1500		0.25	7.96	21.8	1.65	2286	8.58	140.1	18.21	Stop pump to Recharge @ 1505
1505		0.30	7.61	16.5	1.59	2534	6.92	156.7	18.37	
1510		0.32	7.62	18.5	1.59	2470	7.11	146.6	18.38	Stop pump to Recharge 1510
										Sample 1515

Total 0.3 Gallons Purged

Purge Time Start: 1450
Purge Time End: 15[illegible]5
Final Static Water Level:

OBSERVATIONS

LABELLA
Associates, P.C.

300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: ~~MW-SB2~~ MW-09

Project Name:
Location:
Project No.:
Sampled By: AA
Date: 5/6
Weather:

WELL SAMPLING INFORMATION

Well Diameter:	2"	Static Water Level:	17.01
Depth of Well:	18.00	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	
Pump Type:	1.75" Bladder pump	Tubing Type:	¼" 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	150	0.05	7.28	12.1	1.81	1663	6.25	218.7	17.02	
1025		0.1	7.10	12.0	1.77	116	6.05	169.4	17.02	
1030		0.15	7.11	11.8	1.81	37.7	6.05	157.8	17.02	
1035		0.2	7.11	11.9	1.79	30.4	6.12	154.7	17.02	
1040		0.25	7.11	11.9	1.79	29.8	6.09	154.3	17.02	Sample 1040

Total 0.25 Gallons Purged

Purge Time Start: 1020 Purge Time End: 1040 Final Static Water Level: 17.01

OBSERVATIONS

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

WELL I.D.: ~~MW-SB2~~ MW-10

Project Name:
Location:
Project No.:
Sampled By:
Date:
Weather:

WELL SAMPLING INFORMATION

Well Diameter:	2"	Static Water Level:	16.40
Depth of Well:	18.89	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	
Pump Type:	1.75" Bladder pump	Tubing Type:	¼" 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
			7.39 +/- 0.1		+/- 3%	783	± 10%	+/- 10 mV		
1050	150	0.1	~~12.1~~	12.1	1.89	~~1645~~	3.79	169.1	16.50	
1055	150	0.2	7.25	11.9	1.91	72.1	4.68	129.5	16.49	
1100	150	0.25	7.24	12.0	1.91	26.8	4.80	125.7	16.48	
1105	↓	0.3	7.23	12.2	1.99	25.1	4.75	122.6	16.46	
1110		0.35	7.23	12.0	2.00	23.8	4.83	122.7	16.45	sample 1110

Total 0.35 Gallons Purged

Purge Time Start: 1050 Purge Time End: 1110 Final Static Water Level: 16.42

OBSERVATIONS

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

WELL I.D.: ~~MW-SB2~~ MW-11

Project Name:
Location:
Project No.:
Sampled By: AA
Date: 5/6
Weather:

WELL SAMPLING INFORMATION

Well Diameter:	2"	Static Water Level:	16.51
Depth of Well:	18.89	Length of Well Screen:	
Measuring Point:	Top of PVC	Depth to Top of Pump:	
Pump Type:	1.75" Bladder pump	Tubing Type:	¼" 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		
750	150	0.05	7.15	12.9	1.69	882	5.56	223.9	16.53	
755		0.1	7.15	13.0	1.68	776	5.42	223.4	16.53	
800		0.15	7.16	12.9	1.69	96	5.48	223.3	16.53	
805		0.20	7.20	12.9	1.70	53.2	5.17	222.4	16.53	
810		0.25	7.24	13.0	1.73	41.2	4.86	222.4	16.53	
815		0.3	7.25	13.0	1.73	38.1	4.80	222.4	16.53	Sample 815

Total 0.3 Gallons Purged

Purge Time Start: 750 Purge Time End: 815 Final Static Water Level: 16.53

OBSERVATIONS

755-9244

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

Project Name:
Location:
Project No.:
Sampled By: AA
Date: 5/5/15
Weather:

WELL I.D.: ~~MW-SB2~~ MW-12

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 22.2
Measuring Point: Top of PVC
Pump Type: 1.75" Bladder pump

Static Water Level: 20.32
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: ¼" 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		
1535	150	0	7.41	14.7	1.57	609	8.71	85.4	20.35	
1540	150	0.1	7.52	13.0	1.48	55.8	2.53	58.9	20.39	
1545		0.25	7.41	13.4	1.45	37.9	6.99	59.9	20.39	
1550		0.4	7.48	13.5	1.40	32.5	7.32	68.9	20.39	Sample 1550

Total 0.4 Gallons Purged

Purge Time Start: 1535
Purge Time End: 1550
Final Static Water Level: 20.39

OBSERVATIONS

MS/MSD and Blind Dup.

LABELLA
Associates, P.C.

300 State Street
Rochester, New York 14614
Telephone: (585) 454-6110
Facsimile: (585) 454-3066

WELL I.D.: MW-~~SB2~~13

Project Name: Corning Hospital
Location: Corning, NY
Project No.: 2150606
Sampled By: RJJ
Date: 5/6/15
Weather: overcast 60°

WELL SAMPLING INFORMATION

Well Diameter: 2"
Depth of Well: 21.07'
Measuring Point: Top of PVC
Pump Type: 1.75" Bladder pump

Static Water Level: 20.25'
Length of Well Screen:
Depth to Top of Pump:
Tubing Type: ¼" 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		
12:05		0.25	7.23	11.8	2.03	165	5.42	74.5	20.30'	Lt. brown, no odor
12:10		0.375	7.24	11.8	2.04	12	5.07	74.4	20.30'	clean, no odor
12:15		0.5	7.24	11.8	2.04	5.2	4.95	74.9	20.30'	clean, no odor
12:20		0.625	7.24	11.8	2.04	6.0	5.02	75.5	20.30'	clean, no odor
12:25	Final	0.75	7.23	11.8	2.04	2.6	4.88	76.0	20.30	clean, no odor Final - After sampling

Total ______ Gallons Purged

Purge Time Start: 12:00 Purge Time End: 12:23 Final Static Water Level: 20.30'

OBSERVATIONS

APPENDIX 2

Laboratory Reports

Report Date:
05-May-15 17:09

- [x] Final Report
- [ ] Re-Issued Report
- [ ] Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Labella Associates, P.C.
300 State Street Suite 201
Rochester, NY 14614
Attn: Dan Noll

Project: Corning Hospital, NY
Project #: 2150606

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC06702-01	SB-01-3-4'	Soil	27-Apr-15 10:10	28-Apr-15 14:52
SC06702-02	SB-01-18-20'	Soil	27-Apr-15 11:00	28-Apr-15 14:52
SC06702-03	SB-03-3-4'	Soil	27-Apr-15 12:00	28-Apr-15 14:52
SC06702-04	SB-04-14-16'	Soil	27-Apr-15 14:00	28-Apr-15 14:52
SC06702-05	Blind Duplicate 1	Soil	27-Apr-15 00:00	28-Apr-15 14:52
SC06702-06	SB-06-19-20'	Soil	27-Apr-15 16:30	28-Apr-15 14:52
SC06702-07	SB-04-3-4'	Soil	27-Apr-15 13:40	28-Apr-15 14:52
SC06702-08	SB-05-7-8'	Soil	27-Apr-15 00:00	28-Apr-15 14:52
SC06702-09	SB-02-10.6-11.6'	Soil	27-Apr-15 11:30	28-Apr-15 14:52
SC06702-10	SB-03-9-10'	Soil	27-Apr-15 13:00	28-Apr-15 14:52
SC06702-11	SB-05-22-24'	Soil	27-Apr-15 15:30	28-Apr-15 14:52
SC06702-12	SB-06-5-6'	Soil	27-Apr-15 16:00	28-Apr-15 14:52
SC06702-13	SB-07-19-20'	Soil	27-Apr-15 17:00	28-Apr-15 14:52
SC06702-14	Trip Blank	Aqueous	27-Apr-15 00:00	28-Apr-15 14:52
SC06702-15	SB-08-4-5'	Soil	28-Apr-15 09:20	28-Apr-15 14:52
SC06702-16	SB-08A-9-10.4'	Soil	28-Apr-15 10:00	28-Apr-15 14:52
SC06702-17	SB-09-2-3'	Soil	28-Apr-15 10:25	28-Apr-15 14:52
SC06702-18	Blind Duplicate 2	Soil	28-Apr-15 00:00	28-Apr-15 14:52
SC06702-19	SB-09-8-10.4'	Soil	28-Apr-15 10:40	28-Apr-15 14:52

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 54 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

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Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as “<” (less than) the detection limit in this report.

The samples were received 0.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 6010C

Duplicates:

1508397-DUP1 *Source: SC06702-08*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Cadmium

S504194-SRD1 *Source: SB-01-3-4'*

The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

Cadmium (28%)
Lead (13%)

SW846 8081B

Samples:

SC06702-03 *SB-03-3-4'*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SW846 8260C

Calibration:

1504013

Analyte quantified by quadratic equation type calibration.

Bromoform
Naphthalene

This affected the following samples:

S502844-ICV1

SW846 8260C

Calibration:

1504015

Analyte quantified by quadratic equation type calibration.

2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
Carbon tetrachloride
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1508450-BLK1
1508450-BS1
1508450-BSD1
1508450-MS1
1508452-BLK1
1508452-BS1
1508452-BSD1
1508452-MS1
Blind Duplicate 1
S503006-ICV1
S504032-CCV1
S504076-CCV1
SB-02-10.6-11.6'
SB-03-3-4'
SB-04-14-16'
SB-07-19-20'
SB-09-8-10.4'

1504038

Analyte quantified by quadratic equation type calibration.

Bromoform
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1508341-BLK1
1508341-BS1
1508341-BSD1
S503316-ICV1
S503974-CCV1
Trip Blank

Blanks:

1508452-BLK1

The method blank contains analyte at a concentration above the MRL, however no reportable concentration is present in the sample.

Trichloroethene

Laboratory Control Samples:

1508341 BS/BSD

SW846 8260C

Laboratory Control Samples:

1508341 BS/BSD

Carbon disulfide percent recoveries (80/69) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Trip Blank

1508450 BS/BSD

Acetone percent recoveries (95/182) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Blind Duplicate 1
SB-02-10.6-11.6'
SB-03-3-4'
SB-04-14-16'
SB-07-19-20'

Carbon tetrachloride percent recoveries (122/138) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially high bias:

Blind Duplicate 1
SB-02-10.6-11.6'
SB-03-3-4'
SB-04-14-16'
SB-07-19-20'

1508450 BSD

Acetone RPD 62% (30%) is outside individual acceptance criteria.

1508450-BSD1

LCS/LCSD were analyzed in place of MS/MSD.

1508452-BS1

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Trichloroethene

1508452-BSD1

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Trichloroethene

Spikes:

1508450-MS1 *Source: SC06702-13*

SW846 8260C

Spikes:

1508450-MS1 *Source: SC06702-13*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromoethane (EDB)
1,3,5-Trichlorobenzene
2-Butanone (MEK)
4-Isopropyltoluene
Acetone
Acrylonitrile
Bromoform
Hexachlorobutadiene
Naphthalene
n-Butylbenzene
trans-1,4-Dichloro-2-butene

1508452-MS1 *Source: SC06702-19*

Analyte is found in the associated blank as well as in the sample (CLP B-flag).

Trichloroethene

SW846 8260C

Spikes:

1508452-MS1 *Source: SC06702-19*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,1,2,2-Tetrachloroethane
1,2,3-Trichlorobenzene
1,2,3-Trichloropropane
1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene
1,2-Dibromoethane (EDB)
1,2-Dichlorobenzene
1,3,5-Trichlorobenzene
1,3,5-Trimethylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dioxane
2-Butanone (MEK)
2-Chlorotoluene
2-Hexanone (MBK)
4-Chlorotoluene
4-Isopropyltoluene
4-Methyl-2-pentanone (MIBK)
Acetone
Acrylonitrile
Ethanol
Hexachlorobutadiene
Isopropylbenzene
Methyl tert-butyl ether
Naphthalene
n-Butylbenzene
n-Propylbenzene
sec-Butylbenzene
Styrene
Tert-Butanol / butyl alcohol
tert-Butylbenzene
Tetrahydrofuran
trans-1,4-Dichloro-2-butene

1508542-MS1 *Source: SC06702-19RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane
Bromoform
Bromomethane
Dibromochloromethane
sec-Butylbenzene

1508542-MSD1 *Source: SC06702-19RE1*

RPD out of acceptance range.

Bromomethane

SW846 8260C

Spikes:

1508542-MSD1 *Source: SC06702-19RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane
Bromoform
Bromomethane
Carbon disulfide

1508645-MS1 *Source: SC06702-13RE1*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane
Bromoform
Bromomethane
Carbon disulfide

1508645-MSD1 *Source: SC06702-13RE1*

RPD out of acceptance range.

Bromomethane

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane
Acetone
Bromomethane
Carbon disulfide

Samples:

S503974-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Bromochloromethane (-21.8%)
n-Butylbenzene (23.6%)

This affected the following samples:

1508341-BLK1
1508341-BS1
1508341-BSD1
Trip Blank

S504032-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (23.4%)
Carbon disulfide (25.5%)
Ethanol (-30.3%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,3-Trichlorobenzene (-21.8%)
1,2,4-Trichlorobenzene (-23.5%)
Naphthalene (-24.9%)

SW846 8260C

Samples:

S504032-CCV1

This affected the following samples:

1508450-BLK1
1508450-BS1
1508450-BSD1
1508450-MS1
Blind Duplicate 1
SB-02-10.6-11.6'
SB-03-3-4'
SB-04-14-16'
SB-07-19-20'

S504076-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (22.8%)
1,2-Dibromoethane (EDB) (24.2%)
Tert-Butanol / butyl alcohol (22.8%)
Trichloroethene (26.1%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

1,2,4-Trichlorobenzene (-22.6%)
Acetone (26.3%)
Dibromochloromethane (23.2%)

This affected the following samples:

1508452-BLK1
1508452-BS1
1508452-BSD1
1508452-MS1
SB-09-8-10.4'

S504077-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Acrolein (24.1%)

This affected the following samples:

1508451-BLK1
1508451-BS1
1508451-BSD1

S504119-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-27.2%)
Bromomethane (-23.3%)
Carbon disulfide (-23.4%)

This affected the following samples:

1508542-BLK1
1508542-BS1
1508542-BSD1
1508542-MS1
1508542-MSD1
SB-09-8-10.4'

SW846 8260C

Samples:

S504179-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-29.0%)
Carbon disulfide (-22.1%)

This affected the following samples:

1508645-BLK1
1508645-BS1
1508645-BSD1
1508645-MS1
1508645-MSD1
SB-07-19-20'

SC06702-04 *SB-04-14-16'*

This compound is a common laboratory contaminant.

Methylene chloride

SC06702-05 *Blind Duplicate 1*

This compound is a common laboratory contaminant.

Methylene chloride

SC06702-09 *SB-02-10.6-11.6'*

This compound is a common laboratory contaminant.

Methylene chloride

SC06702-13 *SB-07-19-20'*

This compound is a common laboratory contaminant.

Methylene chloride

SC06702-13RE1 *SB-07-19-20'*

Sample data reported for QC purposes only.

This compound is a common laboratory contaminant.

Methylene chloride

SC06702-19 *SB-09-8-10.4'*

This compound is a common laboratory contaminant.

Methylene chloride

SC06702-19RE1 *SB-09-8-10.4'*

Sample data reported for QC purposes only.

This compound is a common laboratory contaminant.

Methylene chloride

SW846 8270D

Calibration:

1503056

SW846 8270D

Calibration:

1503056

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol

This affected the following samples:

S502322-ICV1

Spikes:

1508313-MS1 *Source: SC06702-12*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
Benzidine
Benzoic acid
Hexachlorobutadiene
Hexachlorocyclopentadiene

1508313-MSD1 *Source: SC06702-12*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Hexachloroethane

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
Benzidine
Benzoic acid
Hexachlorocyclopentadiene

Samples:

S504151-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Methylnaphthalene (23.0%)
Azobenzene/Diphenyldiazene (20.6%)
Benzo (b) fluoranthene (22.1%)
Bis(2-chloroisopropyl)ether (28.3%)
Di-n-octyl phthalate (27.0%)
N-Nitrosodimethylamine (30.0%)
Pyridine (26.9%)

This affected the following samples:

1508313-DUP1
1508313-MS1
1508313-MSD1
SB-01-3-4'
SB-03-3-4'
SB-06-5-6'
SB-08A-9-10.4'

SW846 8270D

Samples:

S504202-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Methylnaphthalene (23.0%)
Bis(2-chloroisopropyl)ether (42.4%)
N-Nitrosodi-n-propylamine (22.1%)
Pentachlorophenol (-27.1%)

This affected the following samples:

Blind Duplicate 2
SB-05-7-8'
SB-09-2-3'

SC06702-01 *SB-01-3-4'*

The Reporting Limit has been raised to account for matrix interference.

SC06702-17 *SB-09-2-3'*

The Reporting Limit has been raised to account for matrix interference.

SC06702-18 *Blind Duplicate 2*

The Reporting Limit has been raised to account for matrix interference.

SW846 8270D TICS

Samples:

SC06702-01 *SB-01-3-4'*

The Reporting Limit has been raised to account for matrix interference.

SC06702-17 *SB-09-2-3'*

The Reporting Limit has been raised to account for matrix interference.

SC06702-18 *Blind Duplicate 2*

The Reporting Limit has been raised to account for matrix interference.

Sample Acceptance Check Form

Client:	Labella Associates, P.C.
Project:	Corning Hospital, NY / 2150606
Work Order:	SC06702
Sample(s) received on:	4/28/2015

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☐	☑	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☐	☑	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-01-3-4'	2150606	Soil	27-Apr-15 10:10	28-Apr-15
SC06702-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
83-32-9	Acenaphthene	< 184	U, D	µg/kg dry	789	184	10	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	**260**	J, D	µg/kg dry	789	167	10	"	"	"	"	"	X
120-12-7	Anthracene	< 181	U, D	µg/kg dry	789	181	10	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**643**	J, D	µg/kg dry	789	163	10	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**667**	J, D	µg/kg dry	789	164	10	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**805**	D	µg/kg dry	789	180	10	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**296**	J, D	µg/kg dry	789	171	10	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**308**	J, D	µg/kg dry	789	180	10	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 713	U, D	µg/kg dry	3900	713	10	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 710	U, D	µg/kg dry	1980	710	10	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 709	U, D	µg/kg dry	1980	709	10	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 975	U, D	µg/kg dry	1980	975	10	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 789	U, D	µg/kg dry	3900	789	10	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 865	U, D	µg/kg dry	3900	865	10	"	"	"	"	"	X
86-74-8	Carbazole	< 1000	U, D	µg/kg dry	1980	1000	10	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 810	U, D	µg/kg dry	3900	810	10	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 806	U, D	µg/kg dry	1980	806	10	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 687	U, D	µg/kg dry	3900	687	10	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 698	U, D	µg/kg dry	1980	698	10	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 733	U, D	µg/kg dry	3900	733	10	"	"	"	"	"	X
218-01-9	Chrysene	**761**	J, D	µg/kg dry	789	193	10	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 145	U, D	µg/kg dry	789	145	10	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 145	U, D	µg/kg dry	1980	145	10	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 656	U, D	µg/kg dry	3900	656	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 693	U, D	µg/kg dry	3900	693	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 646	U, D	µg/kg dry	3900	646	10	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 793	U, D	µg/kg dry	3900	793	10	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 672	U, D	µg/kg dry	1980	672	10	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 815	U, D	µg/kg dry	3900	815	10	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 769	U, D	µg/kg dry	3900	769	10	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 669	U, D	µg/kg dry	3900	669	10	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 877	U, D	µg/kg dry	3900	877	10	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 1040	U, D	µg/kg dry	3900	1040	10	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 1030	U, D	µg/kg dry	3900	1030	10	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 814	U, D	µg/kg dry	1980	814	10	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 767	U, D	µg/kg dry	1980	767	10	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 843	U, D	µg/kg dry	3900	843	10	"	"	"	"	"	X
206-44-0	Fluoranthene	**745**	J, D	µg/kg dry	789	198	10	"	"	"	"	"	X
86-73-7	Fluorene	< 189	U, D	µg/kg dry	789	189	10	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 863	U, D	µg/kg dry	1980	863	10	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 628	U, D	µg/kg dry	1980	628	10	"	"	"	"	"	X

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Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	27-Apr-15 10:10	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
77-47-4	Hexachlorocyclopentadiene	< 720	U, D	µg/kg dry	1980	720	10	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
67-72-1	Hexachloroethane	< 759	U, D	µg/kg dry	1980	759	10	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**300**	J, D	µg/kg dry	789	161	10	"	"	"	"	"	X
78-59-1	Isophorone	< 690	U, D	µg/kg dry	1980	690	10	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 163	U, D	µg/kg dry	789	163	10	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 701	U, D	µg/kg dry	3900	701	10	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 879	U, D	µg/kg dry	3900	879	10	"	"	"	"	"	X
91-20-3	Naphthalene	< 161	U, D	µg/kg dry	789	161	10	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 783	U, D	µg/kg dry	3900	783	10	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 934	U, D	µg/kg dry	3900	934	10	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 1130	U, D	µg/kg dry	1980	1130	10	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 766	U, D	µg/kg dry	1980	766	10	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 654	U, D	µg/kg dry	1980	654	10	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1050	U, D	µg/kg dry	15600	1050	10	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 841	U, D	µg/kg dry	1980	841	10	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 918	U, D	µg/kg dry	3900	918	10	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 929	U, D	µg/kg dry	3900	929	10	"	"	"	"	"	X
85-01-8	Phenanthrene	**375**	J, D	µg/kg dry	789	193	10	"	"	"	"	"	X
108-95-2	Phenol	< 711	U, D	µg/kg dry	3900	711	10	"	"	"	"	"	X
129-00-0	Pyrene	**1,070**	D	µg/kg dry	789	168	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 621	U, D	µg/kg dry	3900	621	10	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 808	U, D	µg/kg dry	3900	808	10	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*95*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*92*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*100*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*93*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*116*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A			R01										
	Tentatively Identified Compounds	**None found**		µg/kg dry			10	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.121	U	mg/kg dry	1.66	0.121	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7440-38-2	Arsenic	**13.5**		mg/kg dry	1.66	0.268	1	"	"	"	"	"	X
7440-39-3	Barium	**153**		mg/kg dry	1.10	0.0656	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.925**		mg/kg dry	0.552	0.0177	1	"	"	"	"	"	X
7440-47-3	Chromium	**13.2**		mg/kg dry	1.10	0.105	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.211**		mg/kg dry	0.0343	0.0022	1	SW846 7471B	"	04-May-15	YR	1508398	X
7439-92-1	Lead	**246**		mg/kg dry	1.66	0.305	1	SW846 6010C	"	04-May-15	TBC	1508397	X
7782-49-2	Selenium	**1.20**	J	mg/kg dry	1.66	0.415	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-01-3-4' SC06702-01	2150606	Soil	27-Apr-15 10:10	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	% Solids	84.4		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	
57-12-5	Cyanide (total)	< 0.457	U	mg/kg dry	0.571	0.457	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-3-4' SC06702-03	2150606	Soil	27-Apr-15 12:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.57 g							
67-64-1	Acetone	< 35.2	U	µg/kg dry	52.7	35.2	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
71-43-2	Benzene	< 1.0	U	µg/kg dry	5.3	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 3.5	U	µg/kg dry	5.3	3.5	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.0	U	µg/kg dry	5.3	5.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 3.0	U	µg/kg dry	10.5	3.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 6.3	U	µg/kg dry	52.7	6.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.5	U	µg/kg dry	5.3	1.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.1	U	µg/kg dry	5.3	4.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 3.5	U	µg/kg dry	5.3	3.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 3.2	U	µg/kg dry	10.5	3.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.3	U	µg/kg dry	5.3	4.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.8	U	µg/kg dry	5.3	0.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.9	U	µg/kg dry	10.5	2.9	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.7	U	µg/kg dry	5.3	1.7	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.2	U	µg/kg dry	10.5	2.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 3.6	U	µg/kg dry	5.3	3.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.9	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.1	U	µg/kg dry	5.3	1.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.3	U	µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.8	U	µg/kg dry	10.5	1.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.4	U	µg/kg dry	5.3	3.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.3	U	µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.0	U	µg/kg dry	5.3	4.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.9	U	µg/kg dry	5.3	1.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 2.8	U	µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2.8	U	µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.2	U	µg/kg dry	5.3	3.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.8	U	µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.9	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 5.8	U	µg/kg dry	52.7	5.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.0	U	µg/kg dry	5.3	1.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.9	U	µg/kg dry	5.3	4.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.0	U	µg/kg dry	5.3	2.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 9.9	U	µg/kg dry	52.7	9.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 1.5	U	µg/kg dry	10.5	1.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.8	U	µg/kg dry	5.3	4.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.1	U	µg/kg dry	5.3	5.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.9	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5	U	µg/kg dry	5.3	4.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.0	U	µg/kg dry	5.3	2.0	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.2	U	µg/kg dry	5.3	1.2	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-3-4' SC06702-03	2150606	Soil	27-Apr-15 12:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260
Prepared by method SW846 5035A Soil (low level) — Initial weight: 5.57 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-55-6	1,1,1-Trichloroethane	< 1.4	U	µg/kg dry	5.3	1.4	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
79-00-5	1,1,2-Trichloroethane	< 3.8	U	µg/kg dry	5.3	3.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.9	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 2.8	U	µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.3	U	µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.5	U	µg/kg dry	5.3	1.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.9	U	µg/kg dry	5.3	1.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.0	U	µg/kg dry	10.5	1.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.1	U	µg/kg dry	5.3	1.1	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*			*70-130 %*			"	"	"	"	"	

Volatile Organic Compounds
Prepared by method SW846 5035A Soil (low level) — Initial weight: 5.57 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
108-05-4	Vinyl acetate	< 11.1	U	µg/kg dry	52.7	11.1	1	"	01-May-15	"	"	1508448	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*119*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	

Tentatively Identified Compounds by GC/MS
Prepared by method SW846 5035A Soil (low level) — Initial weight: 5.57 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	01-May-15	"	SJB	1508450	

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds
Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
83-32-9	Acenaphthene	**50.8**	J	µg/kg dry	71.6	16.7	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	< 15.2	U	µg/kg dry	71.6	15.2	1	"	"	"	"	"	X
120-12-7	Anthracene	**146**		µg/kg dry	71.6	16.4	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**398**		µg/kg dry	71.6	14.8	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**355**		µg/kg dry	71.6	14.9	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**461**		µg/kg dry	71.6	16.3	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	**206**		µg/kg dry	71.6	15.5	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	**198**		µg/kg dry	71.6	16.3	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 64.6	U	µg/kg dry	354	64.6	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 64.4	U	µg/kg dry	179	64.4	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 64.3	U	µg/kg dry	179	64.3	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 88.4	U	µg/kg dry	179	88.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-3-4'	2150606	Soil	27-Apr-15 12:00	28-Apr-15
SC06702-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds
Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
101-55-3	4-Bromophenyl phenyl ether	< 71.5	U	µg/kg dry	354	71.5	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
85-68-7	Butyl benzyl phthalate	< 78.5	U	µg/kg dry	354	78.5	1	"	"	"	"	"	X
86-74-8	Carbazole	< 91.0	U	µg/kg dry	179	91.0	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 73.4	U	µg/kg dry	354	73.4	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 73.1	U	µg/kg dry	179	73.1	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 62.3	U	µg/kg dry	354	62.3	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 63.3	U	µg/kg dry	179	63.3	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 66.5	U	µg/kg dry	354	66.5	1	"	"	"	"	"	X
218-01-9	Chrysene	**388**		µg/kg dry	71.6	17.5	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	**46.5**	J	µg/kg dry	71.6	13.1	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	**40.0**	J	µg/kg dry	179	13.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 59.5	U	µg/kg dry	354	59.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 62.9	U	µg/kg dry	354	62.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 58.6	U	µg/kg dry	354	58.6	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 71.9	U	µg/kg dry	354	71.9	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 60.9	U	µg/kg dry	179	60.9	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 73.9	U	µg/kg dry	354	73.9	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 69.7	U	µg/kg dry	354	69.7	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 60.7	U	µg/kg dry	354	60.7	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 79.5	U	µg/kg dry	354	79.5	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 94.2	U	µg/kg dry	354	94.2	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 93.2	U	µg/kg dry	354	93.2	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 73.8	U	µg/kg dry	179	73.8	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 69.5	U	µg/kg dry	179	69.5	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 76.5	U	µg/kg dry	354	76.5	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**782**		µg/kg dry	71.6	18.0	1	"	"	"	"	"	X
86-73-7	Fluorene	**57.6**	J	µg/kg dry	71.6	17.1	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 78.3	U	µg/kg dry	179	78.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 57.0	U	µg/kg dry	179	57.0	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 65.3	U	µg/kg dry	179	65.3	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 68.8	U	µg/kg dry	179	68.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	**229**		µg/kg dry	71.6	14.6	1	"	"	"	"	"	X
78-59-1	Isophorone	< 62.5	U	µg/kg dry	179	62.5	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	**33.6**	J	µg/kg dry	71.6	14.8	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 63.5	U	µg/kg dry	354	63.5	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 79.7	U	µg/kg dry	354	79.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	**36.5**	J	µg/kg dry	71.6	14.6	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 71.0	U	µg/kg dry	354	71.0	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 84.7	U	µg/kg dry	354	84.7	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 102	U	µg/kg dry	179	102	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 69.5	U	µg/kg dry	179	69.5	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 59.3	U	µg/kg dry	179	59.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-3-4' SC06702-03	2150606	Soil	27-Apr-15 12:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
100-02-7	4-Nitrophenol	< 95.6	U	µg/kg dry	1420	95.6	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
621-64-7	N-Nitrosodi-n-propylamine	< 76.2	U	µg/kg dry	179	76.2	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 83.3	U	µg/kg dry	354	83.3	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 84.3	U	µg/kg dry	354	84.3	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**615**		µg/kg dry	71.6	17.5	1	"	"	"	"	"	X
108-95-2	Phenol	< 64.5	U	µg/kg dry	354	64.5	1	"	"	"	"	"	X
129-00-0	Pyrene	**818**		µg/kg dry	71.6	15.2	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 56.3	U	µg/kg dry	354	56.3	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 73.2	U	µg/kg dry	354	73.2	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*73*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*81*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*83*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*84*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*93*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 0.523	U	µg/kg dry	5.37	0.523	1	SW846 8081B	04-May-15	04-May-15	TG	1508525	X
319-85-7	beta-BHC	< 0.692	U	µg/kg dry	5.37	0.692	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 0.421	U	µg/kg dry	5.37	0.421	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 0.577	U	µg/kg dry	3.22	0.577	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 0.627	U	µg/kg dry	5.37	0.627	1	"	"	"	"	"	X
309-00-2	Aldrin	< 0.597	U	µg/kg dry	5.37	0.597	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 0.568	U	µg/kg dry	5.37	0.568	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 0.604	U	µg/kg dry	5.37	0.604	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 0.615	U	µg/kg dry	5.37	0.615	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 0.636	U	µg/kg dry	5.37	0.636	1	"	"	"	"	"	X
72-20-8	Endrin	< 0.783	U	µg/kg dry	8.58	0.783	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 0.604	U	µg/kg dry	8.58	0.604	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 0.570	U	µg/kg dry	8.58	0.570	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 0.614	U	µg/kg dry	8.58	0.614	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 0.574	U	µg/kg dry	8.58	0.574	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 1.30	U	µg/kg dry	8.58	1.30	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 0.577	U	µg/kg dry	8.58	0.577	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 0.702	U	µg/kg dry	8.58	0.702	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 0.584	U	µg/kg dry	5.37	0.584	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 0.670	U	µg/kg dry	5.37	0.670	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 34.8	U	µg/kg dry	107	34.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-03-3-4' SC06702-03	2150606	Soil	27-Apr-15 12:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3545A													
57-74-9	Chlordane	< 12.9	U	µg/kg dry	21.5	12.9	1	SW846 8081B	04-May-15	04-May-15	TG	1508525	X
15972-60-8	Alachlor	< 0.963	U	µg/kg dry	5.37	0.963	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*46*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*227*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*134*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls													
Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 19.3	U	µg/kg dry	21.4	19.3	1	SW846 8082A	30-Apr-15	01-May-15	IMR	1508337	X
11104-28-2	Aroclor-1221	< 16.4	U	µg/kg dry	21.4	16.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 19.2	U	µg/kg dry	21.4	19.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 13.3	U	µg/kg dry	21.4	13.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 13.4	U	µg/kg dry	21.4	13.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 14.7	U	µg/kg dry	21.4	14.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 15.0	U	µg/kg dry	21.4	15.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 19.2	U	µg/kg dry	21.4	19.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 21.0	U	µg/kg dry	21.4	21.0	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.109	U	mg/kg dry	1.50	0.109	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7440-38-2	Arsenic	**9.85**		mg/kg dry	1.50	0.242	1	"	"	"	"	"	X
7440-39-3	Barium	**136**		mg/kg dry	0.997	0.0592	1	"	"	"	"	"	X
7440-43-9	Cadmium	**2.23**		mg/kg dry	0.499	0.0160	1	"	"	"	"	"	X
7440-47-3	Chromium	**19.5**		mg/kg dry	0.997	0.0952	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.522**		mg/kg dry	0.0309	0.0020	1	SW846 7471B	"	04-May-15	YR	1508398	X
7439-92-1	Lead	**455**		mg/kg dry	1.50	0.275	1	SW846 6010C	"	04-May-15	TBC	1508397	X
7782-49-2	Selenium	**1.30**	J	mg/kg dry	1.50	0.375	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**92.4**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	
57-12-5	Cyanide (total)	**0.541**		mg/kg dry	0.522	0.418	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-04-14-16' SC06702-04	2150606	Soil	27-Apr-15 14:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DT	1508307	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.3 g							
67-64-1	Acetone	< 38.3	U	µg/kg dry	57.3	38.3	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
71-43-2	Benzene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 3.8	U	µg/kg dry	5.7	3.8	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.5	U	µg/kg dry	5.7	5.5	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 3.3	U	µg/kg dry	11.5	3.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 6.9	U	µg/kg dry	57.3	6.9	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.6	U	µg/kg dry	5.7	1.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.5	U	µg/kg dry	5.7	4.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 3.8	U	µg/kg dry	5.7	3.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 3.5	U	µg/kg dry	11.5	3.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.7	U	µg/kg dry	5.7	4.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.9	U	µg/kg dry	5.7	0.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 3.2	U	µg/kg dry	11.5	3.2	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.9	U	µg/kg dry	5.7	1.9	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.4	U	µg/kg dry	11.5	2.4	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 3.9	U	µg/kg dry	5.7	3.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.2	U	µg/kg dry	5.7	1.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.4	U	µg/kg dry	5.7	1.4	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.0	U	µg/kg dry	11.5	2.0	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.7	U	µg/kg dry	5.7	3.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.4	U	µg/kg dry	5.7	1.4	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.3	U	µg/kg dry	5.7	4.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2.1	U	µg/kg dry	5.7	2.1	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3.0	U	µg/kg dry	5.7	3.0	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 3.0	U	µg/kg dry	5.7	3.0	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.5	U	µg/kg dry	5.7	3.5	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 3.0	U	µg/kg dry	5.7	3.0	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 6.3	U	µg/kg dry	57.3	6.3	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.1	U	µg/kg dry	5.7	1.1	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.4	U	µg/kg dry	5.7	5.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.2	U	µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.8	U	µg/kg dry	57.3	10.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	**3.5**	O01, J	µg/kg dry	11.5	1.7	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.2	U	µg/kg dry	5.7	5.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.5	U	µg/kg dry	5.7	5.5	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.8	U	µg/kg dry	5.7	4.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.2	U	µg/kg dry	5.7	2.2	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.3	U	µg/kg dry	5.7	1.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-04-14-16'	2150606	Soil	27-Apr-15 14:00	28-Apr-15
SC06702-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.3 g						
71-55-6	1,1,1-Trichloroethane	< 1.5	U	µg/kg dry	5.7	1.5	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
79-00-5	1,1,2-Trichloroethane	< 4.2	U	µg/kg dry	5.7	4.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.1	U	µg/kg dry	5.7	3.1	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.4	U	µg/kg dry	5.7	1.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.6	U	µg/kg dry	5.7	1.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2.1	U	µg/kg dry	5.7	2.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.1	U	µg/kg dry	11.5	1.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.2	U	µg/kg dry	5.7	1.2	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*111*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.3 g						
108-05-4	Vinyl acetate	< 12.0	U	µg/kg dry	57.3	12.0	1	"	01-May-15	"	"	1508448	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*117*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.3 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	01-May-15	"	SJB	1508450	
General Chemistry Parameters													
	% Solids	**83.6**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blind Duplicate 1	2150606	Soil	27-Apr-15 00:00	28-Apr-15
SC06702-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 6.09 g							
67-64-1	Acetone	< 41.2	U	µg/kg dry	61.7	41.2	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
71-43-2	Benzene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.1	U	µg/kg dry	6.2	4.1	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.9	U	µg/kg dry	6.2	5.9	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 3.5	U	µg/kg dry	12.3	3.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 7.4	U	µg/kg dry	61.7	7.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.8	U	µg/kg dry	6.2	1.8	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.8	U	µg/kg dry	6.2	4.8	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.1	U	µg/kg dry	6.2	4.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 3.8	U	µg/kg dry	12.3	3.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.0	U	µg/kg dry	6.2	5.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0	U	µg/kg dry	6.2	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 3.4	U	µg/kg dry	12.3	3.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 2.0	U	µg/kg dry	6.2	2.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.5	U	µg/kg dry	12.3	2.5	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.2	U	µg/kg dry	6.2	4.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.3	U	µg/kg dry	6.2	1.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.5	U	µg/kg dry	6.2	1.5	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.1	U	µg/kg dry	12.3	2.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.0	U	µg/kg dry	6.2	4.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.5	U	µg/kg dry	6.2	1.5	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.6	U	µg/kg dry	6.2	4.6	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2.3	U	µg/kg dry	6.2	2.3	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3.3	U	µg/kg dry	6.2	3.3	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 3.2	U	µg/kg dry	6.2	3.2	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.7	U	µg/kg dry	6.2	3.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 3.2	U	µg/kg dry	6.2	3.2	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 6.8	U	µg/kg dry	61.7	6.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.2	U	µg/kg dry	6.2	1.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.8	U	µg/kg dry	6.2	5.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.4	U	µg/kg dry	6.2	2.4	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 11.6	U	µg/kg dry	61.7	11.6	1	"	"	"	"	"	X
75-09-2	Methylene chloride	2.9	O01, J	µg/kg dry	12.3	1.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.7	U	µg/kg dry	6.2	5.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 6.0	U	µg/kg dry	6.2	6.0	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.2	U	µg/kg dry	6.2	5.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.4	U	µg/kg dry	6.2	2.4	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.4	U	µg/kg dry	6.2	1.4	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blind Duplicate 1	2150606	Soil	27-Apr-15 00:00	28-Apr-15
SC06702-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.09 g						
71-55-6	1,1,1-Trichloroethane	< 1.6	U	µg/kg dry	6.2	1.6	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
79-00-5	1,1,2-Trichloroethane	< 4.5	U	µg/kg dry	6.2	4.5	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.3	U	µg/kg dry	6.2	3.3	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.5	U	µg/kg dry	6.2	1.5	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.8	U	µg/kg dry	6.2	1.8	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2.2	U	µg/kg dry	6.2	2.2	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.2	U	µg/kg dry	12.3	1.2	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.3	U	µg/kg dry	6.2	1.3	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*112*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.09 g						
108-05-4	Vinyl acetate	< 13.0	U	µg/kg dry	61.7	13.0	1	"	01-May-15	"	"	1508448	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.09 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	01-May-15	"	SJB	1508450	
General Chemistry Parameters													
	% Solids	**81.5**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-05-7-8' SC06702-08	2150606	Soil	27-Apr-15 00:00	28-Apr-15

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds
Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
83-32-9	Acenaphthene	< 18.2	U	µg/kg dry	78.2	18.2	1	SW846 8270D	29-Apr-15	05-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	< 16.6	U	µg/kg dry	78.2	16.6	1	"	"	"	"	"	X
120-12-7	Anthracene	< 17.9	U	µg/kg dry	78.2	17.9	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 16.2	U	µg/kg dry	78.2	16.2	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 16.3	U	µg/kg dry	78.2	16.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 17.8	U	µg/kg dry	78.2	17.8	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 16.9	U	µg/kg dry	78.2	16.9	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 17.8	U	µg/kg dry	78.2	17.8	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 70.6	U	µg/kg dry	387	70.6	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 70.4	U	µg/kg dry	196	70.4	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 70.3	U	µg/kg dry	196	70.3	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 96.6	U	µg/kg dry	196	96.6	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 78.2	U	µg/kg dry	387	78.2	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 85.7	U	µg/kg dry	387	85.7	1	"	"	"	"	"	X
86-74-8	Carbazole	< 99.5	U	µg/kg dry	196	99.5	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 80.3	U	µg/kg dry	387	80.3	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 79.9	U	µg/kg dry	196	79.9	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 68.0	U	µg/kg dry	387	68.0	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 69.2	U	µg/kg dry	196	69.2	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 72.7	U	µg/kg dry	387	72.7	1	"	"	"	"	"	X
218-01-9	Chrysene	< 19.1	U	µg/kg dry	78.2	19.1	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 14.4	U	µg/kg dry	78.2	14.4	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 14.4	U	µg/kg dry	196	14.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 65.0	U	µg/kg dry	387	65.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 68.7	U	µg/kg dry	387	68.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 64.0	U	µg/kg dry	387	64.0	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 78.6	U	µg/kg dry	387	78.6	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 66.6	U	µg/kg dry	196	66.6	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 80.8	U	µg/kg dry	387	80.8	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 76.2	U	µg/kg dry	387	76.2	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 66.3	U	µg/kg dry	387	66.3	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 86.9	U	µg/kg dry	387	86.9	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 103	U	µg/kg dry	387	103	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 102	U	µg/kg dry	387	102	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 80.6	U	µg/kg dry	196	80.6	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 76.0	U	µg/kg dry	196	76.0	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 83.6	U	µg/kg dry	387	83.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 19.6	U	µg/kg dry	78.2	19.6	1	"	"	"	"	"	X
86-73-7	Fluorene	< 18.7	U	µg/kg dry	78.2	18.7	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 85.5	U	µg/kg dry	196	85.5	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 62.3	U	µg/kg dry	196	62.3	1	"	"	"	"	"	X

Sample Identification
SB-05-7-8'
SC06702-08

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	27-Apr-15 00:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
77-47-4	Hexachlorocyclopentadiene	< 71.4	U	µg/kg dry	196	71.4	1	SW846 8270D	29-Apr-15	05-May-15	MSL	1508313	X
67-72-1	Hexachloroethane	< 75.2	U	µg/kg dry	196	75.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 16.0	U	µg/kg dry	78.2	16.0	1	"	"	"	"	"	X
78-59-1	Isophorone	< 68.3	U	µg/kg dry	196	68.3	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 16.1	U	µg/kg dry	78.2	16.1	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 69.4	U	µg/kg dry	387	69.4	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 87.1	U	µg/kg dry	387	87.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 15.9	U	µg/kg dry	78.2	15.9	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 77.6	U	µg/kg dry	387	77.6	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 92.6	U	µg/kg dry	387	92.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 112	U	µg/kg dry	196	112	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 75.9	U	µg/kg dry	196	75.9	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 64.8	U	µg/kg dry	196	64.8	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 105	U	µg/kg dry	1550	105	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 83.3	U	µg/kg dry	196	83.3	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 91.0	U	µg/kg dry	387	91.0	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 92.1	U	µg/kg dry	387	92.1	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 19.1	U	µg/kg dry	78.2	19.1	1	"	"	"	"	"	X
108-95-2	Phenol	< 70.4	U	µg/kg dry	387	70.4	1	"	"	"	"	"	X
129-00-0	Pyrene	< 16.7	U	µg/kg dry	78.2	16.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 61.6	U	µg/kg dry	387	61.6	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 80.0	U	µg/kg dry	387	80.0	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*74*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*90*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*91*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*96*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*87*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*74*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.128	U	mg/kg dry	1.74	0.128	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7440-38-2	Arsenic	**6.18**		mg/kg dry	1.74	0.282	1	"	"	"	"	"	X
7440-39-3	Barium	**66.2**		mg/kg dry	1.16	0.0691	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.0361**	J	mg/kg dry	0.582	0.0186	1	"	"	"	"	"	X
7440-47-3	Chromium	**12.6**		mg/kg dry	1.16	0.111	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0110**	J	mg/kg dry	0.0331	0.0022	1	SW846 7471B	"	04-May-15	YR	1508398	X
7439-92-1	Lead	**12.3**		mg/kg dry	1.74	0.321	1	SW846 6010C	"	04-May-15	TBC	1508397	X
7782-49-2	Selenium	< 0.437	U	mg/kg dry	1.74	0.437	1	"	"	"	"	"	X

Sample Identification
SB-05-7-8'
SC06702-08

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	27-Apr-15 00:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	% Solids	**84.1**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	
57-12-5	Cyanide (total)	< 0.413	U	mg/kg dry	0.516	0.413	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-02-10.6-11.6' SC06702-09	2150606	Soil	27-Apr-15 11:30	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DT	1508307	
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.01 g						
67-64-1	Acetone	< 36.9	U	µg/kg dry	55.3	36.9	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
71-43-2	Benzene	< 1.0	U	µg/kg dry	5.5	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 3.7	U	µg/kg dry	5.5	3.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.3	U	µg/kg dry	5.5	5.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 3.2	U	µg/kg dry	11.1	3.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 6.6	U	µg/kg dry	55.3	6.6	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.6	U	µg/kg dry	5.5	1.6	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.3	U	µg/kg dry	5.5	4.3	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 3.6	U	µg/kg dry	5.5	3.6	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 3.4	U	µg/kg dry	11.1	3.4	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.5	U	µg/kg dry	5.5	4.5	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.9	U	µg/kg dry	5.5	0.9	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 3.1	U	µg/kg dry	11.1	3.1	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.8	U	µg/kg dry	5.5	1.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.3	U	µg/kg dry	11.1	2.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 3.7	U	µg/kg dry	5.5	3.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.0	U	µg/kg dry	5.5	1.0	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.1	U	µg/kg dry	5.5	1.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.3	U	µg/kg dry	5.5	1.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.9	U	µg/kg dry	11.1	1.9	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.6	U	µg/kg dry	5.5	3.6	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.3	U	µg/kg dry	5.5	1.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.2	U	µg/kg dry	5.5	4.2	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 2.0	U	µg/kg dry	5.5	2.0	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 2.9	U	µg/kg dry	5.5	2.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2.9	U	µg/kg dry	5.5	2.9	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.3	U	µg/kg dry	5.5	3.3	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.9	U	µg/kg dry	5.5	2.9	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0	U	µg/kg dry	5.5	1.0	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 6.1	U	µg/kg dry	55.3	6.1	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.1	U	µg/kg dry	5.5	1.1	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.2	U	µg/kg dry	5.5	5.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 2.1	U	µg/kg dry	5.5	2.1	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.4	U	µg/kg dry	55.3	10.4	1	"	"	"	"	"	X
75-09-2	Methylene chloride	**3.3**	O01, J	µg/kg dry	11.1	1.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.1	U	µg/kg dry	5.5	5.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.4	U	µg/kg dry	5.5	5.4	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0	U	µg/kg dry	5.5	1.0	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.7	U	µg/kg dry	5.5	4.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 2.1	U	µg/kg dry	5.5	2.1	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.3	U	µg/kg dry	5.5	1.3	1	"	"	"	"	"	X

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Sample Identification
SB-02-10.6-11.6'
SC06702-09

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	27-Apr-15 11:30	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.01 g						
71-55-6	1,1,1-Trichloroethane	< 1.4	U	µg/kg dry	5.5	1.4	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
79-00-5	1,1,2-Trichloroethane	< 4.0	U	µg/kg dry	5.5	4.0	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0	U	µg/kg dry	5.5	1.0	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.0	U	µg/kg dry	5.5	3.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.4	U	µg/kg dry	5.5	1.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.6	U	µg/kg dry	5.5	1.6	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 2.0	U	µg/kg dry	5.5	2.0	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 1.1	U	µg/kg dry	11.1	1.1	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.2	U	µg/kg dry	5.5	1.2	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*111*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.01 g						
108-05-4	Vinyl acetate	< 11.6	U	µg/kg dry	55.3	11.6	1	"	01-May-15	"	"	1508448	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*106*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.01 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	01-May-15	"	SJB	1508450	
General Chemistry Parameters													
	% Solids	**94.9**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-06-5-6' SC06702-12	2150606	Soil	27-Apr-15 16:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 19.1	U	µg/kg dry	82.0	19.1	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	< 17.4	U	µg/kg dry	82.0	17.4	1	"	"	"	"	"	X
120-12-7	Anthracene	< 18.8	U	µg/kg dry	82.0	18.8	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 17.0	U	µg/kg dry	82.0	17.0	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 17.1	U	µg/kg dry	82.0	17.1	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 18.7	U	µg/kg dry	82.0	18.7	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 17.8	U	µg/kg dry	82.0	17.8	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 18.7	U	µg/kg dry	82.0	18.7	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 74.1	U	µg/kg dry	406	74.1	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 73.8	U	µg/kg dry	205	73.8	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 73.7	U	µg/kg dry	205	73.7	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 101	U	µg/kg dry	205	101	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 82.0	U	µg/kg dry	406	82.0	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 89.9	U	µg/kg dry	406	89.9	1	"	"	"	"	"	X
86-74-8	Carbazole	< 104	U	µg/kg dry	205	104	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 84.2	U	µg/kg dry	406	84.2	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 83.7	U	µg/kg dry	205	83.7	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 71.3	U	µg/kg dry	406	71.3	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 72.6	U	µg/kg dry	205	72.6	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 76.2	U	µg/kg dry	406	76.2	1	"	"	"	"	"	X
218-01-9	Chrysene	< 20.0	U	µg/kg dry	82.0	20.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 15.1	U	µg/kg dry	82.0	15.1	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 15.1	U	µg/kg dry	205	15.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 68.2	U	µg/kg dry	406	68.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 72.0	U	µg/kg dry	406	72.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 67.2	U	µg/kg dry	406	67.2	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 82.4	U	µg/kg dry	406	82.4	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 69.8	U	µg/kg dry	205	69.8	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 84.7	U	µg/kg dry	406	84.7	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 79.9	U	µg/kg dry	406	79.9	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 69.5	U	µg/kg dry	406	69.5	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 91.1	U	µg/kg dry	406	91.1	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 108	U	µg/kg dry	406	108	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 107	U	µg/kg dry	406	107	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 84.6	U	µg/kg dry	205	84.6	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 79.7	U	µg/kg dry	205	79.7	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 87.6	U	µg/kg dry	406	87.6	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 20.6	U	µg/kg dry	82.0	20.6	1	"	"	"	"	"	X
86-73-7	Fluorene	< 19.6	U	µg/kg dry	82.0	19.6	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-06-5-6' SC06702-12	2150606	Soil	27-Apr-15 16:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
118-74-1	Hexachlorobenzene	< 89.7	U	µg/kg dry	205	89.7	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
87-68-3	Hexachlorobutadiene	< 65.3	U	µg/kg dry	205	65.3	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 74.8	U	µg/kg dry	205	74.8	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 78.8	U	µg/kg dry	205	78.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 16.8	U	µg/kg dry	82.0	16.8	1	"	"	"	"	"	X
78-59-1	Isophorone	< 71.7	U	µg/kg dry	205	71.7	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 16.9	U	µg/kg dry	82.0	16.9	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 72.8	U	µg/kg dry	406	72.8	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 91.3	U	µg/kg dry	406	91.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 16.7	U	µg/kg dry	82.0	16.7	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 81.3	U	µg/kg dry	406	81.3	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 97.1	U	µg/kg dry	406	97.1	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 117	U	µg/kg dry	205	117	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 79.6	U	µg/kg dry	205	79.6	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 68.0	U	µg/kg dry	205	68.0	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 110	U	µg/kg dry	1620	110	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 87.4	U	µg/kg dry	205	87.4	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 95.4	U	µg/kg dry	406	95.4	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 96.6	U	µg/kg dry	406	96.6	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 20.0	U	µg/kg dry	82.0	20.0	1	"	"	"	"	"	X
108-95-2	Phenol	< 73.9	U	µg/kg dry	406	73.9	1	"	"	"	"	"	X
129-00-0	Pyrene	< 17.5	U	µg/kg dry	82.0	17.5	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 64.6	U	µg/kg dry	406	64.6	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 83.9	U	µg/kg dry	406	83.9	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*72*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*88*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*86*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*90*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*99*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*72*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.134	U	mg/kg dry	1.83	0.134	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7440-38-2	Arsenic	**5.17**		mg/kg dry	1.83	0.295	1	"	"	"	"	"	X
7440-39-3	Barium	**159**		mg/kg dry	1.22	0.0723	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.0652**	J	mg/kg dry	0.609	0.0195	1	"	"	"	"	"	X
7440-47-3	Chromium	**9.48**		mg/kg dry	1.22	0.116	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0474**		mg/kg dry	0.0347	0.0023	1	SW846 7471B	"	04-May-15	YR	1508398	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification
SB-06-5-6'
SC06702-12

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	27-Apr-15 16:00	28-Apr-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-92-1	Lead	**22.1**		mg/kg dry	1.83	0.336	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7782-49-2	Selenium	**0.846**	J	mg/kg dry	1.83	0.457	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**80.9**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	
57-12-5	Cyanide (total)	< 0.437	U	mg/kg dry	0.546	0.437	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-19-20'	2150606	Soil	27-Apr-15 17:00	28-Apr-15
SC06702-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DT	1508307	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.83 g						
67-64-1	Acetone	< 30.9	U	µg/kg dry	46.2	30.9	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
71-43-2	Benzene	< 0.8	U	µg/kg dry	4.6	0.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 3.1	U	µg/kg dry	4.6	3.1	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.4	U	µg/kg dry	4.6	4.4	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.6	U	µg/kg dry	9.2	2.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 5.5	U	µg/kg dry	46.2	5.5	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.3	U	µg/kg dry	4.6	1.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 3.6	U	µg/kg dry	4.6	3.6	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 3.0	U	µg/kg dry	4.6	3.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.8	U	µg/kg dry	9.2	2.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 3.8	U	µg/kg dry	4.6	3.8	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.7	U	µg/kg dry	4.6	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.6	U	µg/kg dry	9.2	2.6	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.5	U	µg/kg dry	4.6	1.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.9	U	µg/kg dry	9.2	1.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 3.1	U	µg/kg dry	4.6	3.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.8	U	µg/kg dry	4.6	0.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.9	U	µg/kg dry	4.6	0.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.1	U	µg/kg dry	4.6	1.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.6	U	µg/kg dry	9.2	1.6	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 3.0	U	µg/kg dry	4.6	3.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.1	U	µg/kg dry	4.6	1.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 3.5	U	µg/kg dry	4.6	3.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.7	U	µg/kg dry	4.6	1.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 2.4	U	µg/kg dry	4.6	2.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2.4	U	µg/kg dry	4.6	2.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 2.8	U	µg/kg dry	4.6	2.8	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 2.4	U	µg/kg dry	4.6	2.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.8	U	µg/kg dry	4.6	0.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 5.1	U	µg/kg dry	46.2	5.1	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.9	U	µg/kg dry	4.6	0.9	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.3	U	µg/kg dry	4.6	4.3	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.8	U	µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 8.7	U	µg/kg dry	46.2	8.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	**1.9**	O01, J	µg/kg dry	9.2	1.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.2	U	µg/kg dry	4.6	4.2	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.5	U	µg/kg dry	4.6	4.5	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.8	U	µg/kg dry	4.6	0.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 3.9	U	µg/kg dry	4.6	3.9	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.8	U	µg/kg dry	4.6	1.8	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.1	U	µg/kg dry	4.6	1.1	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-19-20' SC06702-13	2150606	Soil	27-Apr-15 17:00	28-Apr-15

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level) — Initial weight: 6.83 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-55-6	1,1,1-Trichloroethane	< 1.2	U	µg/kg dry	4.6	1.2	1	SW846 8260C	01-May-15	01-May-15	SJB	1508450	X
79-00-5	1,1,2-Trichloroethane	< 3.4	U	µg/kg dry	4.6	3.4	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.8	U	µg/kg dry	4.6	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 2.5	U	µg/kg dry	4.6	2.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 1.2	U	µg/kg dry	4.6	1.2	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.3	U	µg/kg dry	4.6	1.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.7	U	µg/kg dry	4.6	1.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.9	U	µg/kg dry	9.2	0.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.0	U	µg/kg dry	4.6	1.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*114*			*70-130 %*			"	"	"	"	"	

Re-analysis of Volatile Organic Compounds by SW846 8260 — QCR

Prepared by method SW846 5035A Soil (high level) — Initial weight: 11.19 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	< 203	U, D	µg/kg dry	304	203	50	SW846 8260C	05-May-15	05-May-15	SJB	1508645	X
71-43-2	Benzene	< 5.5	U, D	µg/kg dry	30.4	5.5	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 20.3	U, D	µg/kg dry	30.4	20.3	50	"	"	"	"	"	X
75-25-2	Bromoform	< 29.0	U, D	µg/kg dry	30.4	29.0	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 17.3	U, D	µg/kg dry	60.7	17.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 36.4	U, D	µg/kg dry	304	36.4	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 8.7	U, D	µg/kg dry	30.4	8.7	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 23.7	U, D	µg/kg dry	30.4	23.7	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 20.0	U, D	µg/kg dry	30.4	20.0	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 18.6	U, D	µg/kg dry	60.7	18.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 24.8	U, D	µg/kg dry	30.4	24.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.9	U, D	µg/kg dry	30.4	4.9	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 16.9	U, D	µg/kg dry	60.7	16.9	50	"	"	"	"	"	X
67-66-3	Chloroform	< 10.1	U, D	µg/kg dry	30.4	10.1	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 12.5	U, D	µg/kg dry	60.7	12.5	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 20.6	U, D	µg/kg dry	30.4	20.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.3	U, D	µg/kg dry	30.4	5.3	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 6.2	U, D	µg/kg dry	30.4	6.2	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 7.4	U, D	µg/kg dry	30.4	7.4	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.4	U, D	µg/kg dry	60.7	10.4	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 19.6	U, D	µg/kg dry	30.4	19.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 7.4	U, D	µg/kg dry	30.4	7.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 22.8	U, D	µg/kg dry	30.4	22.8	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 11.2	U, D	µg/kg dry	30.4	11.2	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 16.1	U, D	µg/kg dry	30.4	16.1	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-19-20' SC06702-13	2150606	Soil	27-Apr-15 17:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			QCR										
Prepared by method SW846 5035A Soil (high level)							Initial weight: 11.19 g						
78-87-5	1,2-Dichloropropane	< 15.9	U, D	µg/kg dry	30.4	15.9	50	SW846 8260C	05-May-15	05-May-15	SJB	1508645	X
10061-01-5	cis-1,3-Dichloropropene	< 18.3	U, D	µg/kg dry	30.4	18.3	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 15.9	U, D	µg/kg dry	30.4	15.9	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.3	U, D	µg/kg dry	30.4	5.3	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 33.3	U, D	µg/kg dry	304	33.3	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5.8	U, D	µg/kg dry	30.4	5.8	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 28.5	U, D	µg/kg dry	30.4	28.5	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 11.7	U, D	µg/kg dry	30.4	11.7	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 57.2	U, D	µg/kg dry	304	57.2	50	"	"	"	"	"	X
75-09-2	Methylene chloride	**10.3**	O01, J, D	µg/kg dry	60.7	8.9	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 27.8	U, D	µg/kg dry	30.4	27.8	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 29.4	U, D	µg/kg dry	30.4	29.4	50	"	"	"	"	"	X
100-42-5	Styrene	< 5.3	U, D	µg/kg dry	30.4	5.3	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 25.7	U, D	µg/kg dry	30.4	25.7	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 11.6	U, D	µg/kg dry	30.4	11.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 7.0	U, D	µg/kg dry	30.4	7.0	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 7.9	U, D	µg/kg dry	30.4	7.9	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 22.0	U, D	µg/kg dry	30.4	22.0	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.2	U, D	µg/kg dry	30.4	5.2	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 16.4	U, D	µg/kg dry	30.4	16.4	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 7.6	U, D	µg/kg dry	30.4	7.6	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 8.7	U, D	µg/kg dry	30.4	8.7	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 11.1	U, D	µg/kg dry	30.4	11.1	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 6.0	U, D	µg/kg dry	60.7	6.0	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 6.5	U, D	µg/kg dry	30.4	6.5	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*105*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.83 g						
108-05-4	Vinyl acetate	< 9.7	U	µg/kg dry	46.2	9.7	1	SW846 8260C	01-May-15	01-May-15	SJB	1508448	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*105*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.83 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	01-May-15	"	SJB	1508450	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-07-19-20' SC06702-13	2150606	Soil	27-Apr-15 17:00	28-Apr-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Re-analysis of Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (high level)							Initial weight: 11.19 g						
75-37-6	Ethane, 1,1-difluoro-	**239**	TIC, D	µg/kg dry			50	SW846 8260C TICs	05-May-15	05-May-15	SJB	1508645	
General Chemistry Parameters													
	% Solids	**90.0**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC06702-14	2150606	Aqueous	27-Apr-15 00:00	28-Apr-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	30-Apr-15	01-May-15	GMA	1508341	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC06702-14	2150606	Aqueous	27-Apr-15 00:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	30-Apr-15	01-May-15	GMA	1508341	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*89*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*91*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*91*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	01-May-15	02-May-15	"	1508455	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	30-Apr-15	01-May-15	GMA	1508341	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-08A-9-10.4' SC06702-16	2150606	Soil	28-Apr-15 10:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 16.1	U	µg/kg dry	69.0	16.1	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	< 14.6	U	µg/kg dry	69.0	14.6	1	"	"	"	"	"	X
120-12-7	Anthracene	< 15.8	U	µg/kg dry	69.0	15.8	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 14.3	U	µg/kg dry	69.0	14.3	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 14.4	U	µg/kg dry	69.0	14.4	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 15.7	U	µg/kg dry	69.0	15.7	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 14.9	U	µg/kg dry	69.0	14.9	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 15.7	U	µg/kg dry	69.0	15.7	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 62.3	U	µg/kg dry	341	62.3	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 62.1	U	µg/kg dry	173	62.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 62.0	U	µg/kg dry	173	62.0	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 85.2	U	µg/kg dry	173	85.2	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 69.0	U	µg/kg dry	341	69.0	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 75.6	U	µg/kg dry	341	75.6	1	"	"	"	"	"	X
86-74-8	Carbazole	< 87.7	U	µg/kg dry	173	87.7	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 70.8	U	µg/kg dry	341	70.8	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 70.4	U	µg/kg dry	173	70.4	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 60.0	U	µg/kg dry	341	60.0	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 61.0	U	µg/kg dry	173	61.0	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 64.1	U	µg/kg dry	341	64.1	1	"	"	"	"	"	X
218-01-9	Chrysene	< 16.9	U	µg/kg dry	69.0	16.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 12.7	U	µg/kg dry	69.0	12.7	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 12.7	U	µg/kg dry	173	12.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 57.4	U	µg/kg dry	341	57.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 60.6	U	µg/kg dry	341	60.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 56.5	U	µg/kg dry	341	56.5	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 69.3	U	µg/kg dry	341	69.3	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 58.7	U	µg/kg dry	173	58.7	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 71.2	U	µg/kg dry	341	71.2	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 67.2	U	µg/kg dry	341	67.2	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 58.5	U	µg/kg dry	341	58.5	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 76.6	U	µg/kg dry	341	76.6	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 90.8	U	µg/kg dry	341	90.8	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 89.9	U	µg/kg dry	341	89.9	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 71.1	U	µg/kg dry	173	71.1	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 67.0	U	µg/kg dry	173	67.0	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 73.7	U	µg/kg dry	341	73.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 17.3	U	µg/kg dry	69.0	17.3	1	"	"	"	"	"	X
86-73-7	Fluorene	< 16.5	U	µg/kg dry	69.0	16.5	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-08A-9-10.4'	2150606	Soil	28-Apr-15 10:00	28-Apr-15
SC06702-16				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
118-74-1	Hexachlorobenzene	< 75.4	U	µg/kg dry	173	75.4	1	SW846 8270D	29-Apr-15	02-May-15	MSL	1508313	X
87-68-3	Hexachlorobutadiene	< 54.9	U	µg/kg dry	173	54.9	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 62.9	U	µg/kg dry	173	62.9	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 66.3	U	µg/kg dry	173	66.3	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 14.1	U	µg/kg dry	69.0	14.1	1	"	"	"	"	"	X
78-59-1	Isophorone	< 60.3	U	µg/kg dry	173	60.3	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 14.2	U	µg/kg dry	69.0	14.2	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 61.2	U	µg/kg dry	341	61.2	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 76.8	U	µg/kg dry	341	76.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 14.1	U	µg/kg dry	69.0	14.1	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 68.4	U	µg/kg dry	341	68.4	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 81.6	U	µg/kg dry	341	81.6	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 98.7	U	µg/kg dry	173	98.7	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 67.0	U	µg/kg dry	173	67.0	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 57.2	U	µg/kg dry	173	57.2	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 92.2	U	µg/kg dry	1360	92.2	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 73.5	U	µg/kg dry	173	73.5	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 80.3	U	µg/kg dry	341	80.3	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 81.2	U	µg/kg dry	341	81.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 16.8	U	µg/kg dry	69.0	16.8	1	"	"	"	"	"	X
108-95-2	Phenol	< 62.1	U	µg/kg dry	341	62.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 14.7	U	µg/kg dry	69.0	14.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 54.3	U	µg/kg dry	341	54.3	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 70.6	U	µg/kg dry	341	70.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*91*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*95*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*90*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*105*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*73*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-2-3' SC06702-17	2150606	Soil	28-Apr-15 10:25	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
83-32-9	Acenaphthene	< 84.2	U, D	µg/kg dry	361	84.2	5	SW846 8270D	29-Apr-15	05-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	< 76.6	U, D	µg/kg dry	361	76.6	5	"	"	"	"	"	X
120-12-7	Anthracene	< 82.6	U, D	µg/kg dry	361	82.6	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 74.8	U, D	µg/kg dry	361	74.8	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 75.3	U, D	µg/kg dry	361	75.3	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 82.3	U, D	µg/kg dry	361	82.3	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 78.2	U, D	µg/kg dry	361	78.2	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 82.3	U, D	µg/kg dry	361	82.3	5	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 326	U, D	µg/kg dry	1790	326	5	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 325	U, D	µg/kg dry	904	325	5	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 324	U, D	µg/kg dry	904	324	5	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 446	U, D	µg/kg dry	904	446	5	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 361	U, D	µg/kg dry	1790	361	5	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 396	U, D	µg/kg dry	1790	396	5	"	"	"	"	"	X
86-74-8	Carbazole	< 459	U, D	µg/kg dry	904	459	5	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 371	U, D	µg/kg dry	1790	371	5	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 369	U, D	µg/kg dry	904	369	5	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 314	U, D	µg/kg dry	1790	314	5	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 320	U, D	µg/kg dry	904	320	5	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 336	U, D	µg/kg dry	1790	336	5	"	"	"	"	"	X
218-01-9	Chrysene	< 88.3	U, D	µg/kg dry	361	88.3	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 66.3	U, D	µg/kg dry	361	66.3	5	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 66.3	U, D	µg/kg dry	904	66.3	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 300	U, D	µg/kg dry	1790	300	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 317	U, D	µg/kg dry	1790	317	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 296	U, D	µg/kg dry	1790	296	5	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 363	U, D	µg/kg dry	1790	363	5	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 308	U, D	µg/kg dry	904	308	5	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 373	U, D	µg/kg dry	1790	373	5	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 352	U, D	µg/kg dry	1790	352	5	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 306	U, D	µg/kg dry	1790	306	5	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 401	U, D	µg/kg dry	1790	401	5	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 475	U, D	µg/kg dry	1790	475	5	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 471	U, D	µg/kg dry	1790	471	5	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 372	U, D	µg/kg dry	904	372	5	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 351	U, D	µg/kg dry	904	351	5	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 386	U, D	µg/kg dry	1790	386	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**95.7**	J, D	µg/kg dry	361	90.7	5	"	"	"	"	"	X
86-73-7	Fluorene	< 86.5	U, D	µg/kg dry	361	86.5	5	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 395	U, D	µg/kg dry	904	395	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 288	U, D	µg/kg dry	904	288	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-2-3' SC06702-17	2150606	Soil	28-Apr-15 10:25	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
77-47-4	Hexachlorocyclopentadiene	< 330	U, D	µg/kg dry	904	330	5	SW846 8270D	29-Apr-15	05-May-15	MSL	1508313	X
67-72-1	Hexachloroethane	< 347	U, D	µg/kg dry	904	347	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 73.9	U, D	µg/kg dry	361	73.9	5	"	"	"	"	"	X
78-59-1	Isophorone	< 316	U, D	µg/kg dry	904	316	5	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 74.5	U, D	µg/kg dry	361	74.5	5	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 321	U, D	µg/kg dry	1790	321	5	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 402	U, D	µg/kg dry	1790	402	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 73.6	U, D	µg/kg dry	361	73.6	5	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 358	U, D	µg/kg dry	1790	358	5	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 428	U, D	µg/kg dry	1790	428	5	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 517	U, D	µg/kg dry	904	517	5	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 351	U, D	µg/kg dry	904	351	5	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 299	U, D	µg/kg dry	904	299	5	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 483	U, D	µg/kg dry	7150	483	5	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 385	U, D	µg/kg dry	904	385	5	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 420	U, D	µg/kg dry	1790	420	5	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 425	U, D	µg/kg dry	1790	425	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**143**	J, D	µg/kg dry	361	88.1	5	"	"	"	"	"	X
108-95-2	Phenol	< 325	U, D	µg/kg dry	1790	325	5	"	"	"	"	"	X
129-00-0	Pyrene	< 76.9	U, D	µg/kg dry	361	76.9	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 284	U, D	µg/kg dry	1790	284	5	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 370	U, D	µg/kg dry	1790	370	5	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*80*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*91*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*94*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*93*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*81*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*69*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A			R01										
	Tentatively Identified Compounds	**None found**		µg/kg dry			5	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.114	U	mg/kg dry	1.55	0.114	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7440-38-2	Arsenic	**7.23**		mg/kg dry	1.55	0.251	1	"	"	"	"	"	X
7440-39-3	Barium	**139**		mg/kg dry	1.04	0.0616	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.0617**	J	mg/kg dry	0.518	0.0166	1	"	"	"	"	"	X
7440-47-3	Chromium	**11.7**		mg/kg dry	1.04	0.0990	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0484**		mg/kg dry	0.0307	0.0020	1	SW846 7471B	"	04-May-15	YR	1508398	X
7439-92-1	Lead	**31.1**		mg/kg dry	1.55	0.286	1	SW846 6010C	"	04-May-15	TBC	1508397	X
7782-49-2	Selenium	< 0.389	U	mg/kg dry	1.55	0.389	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-2-3' SC06702-17	2150606	Soil	28-Apr-15 10:25	28-Apr-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	**92.0**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	
57-12-5	Cyanide (total)	< 0.420	U	mg/kg dry	0.525	0.420	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blind Duplicate 2 SC06702-18	2150606	Soil	28-Apr-15 00:00	28-Apr-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
83-32-9	Acenaphthene	< 86.8	U, D	µg/kg dry	372	86.8	5	SW846 8270D	29-Apr-15	05-May-15	MSL	1508313	X
208-96-8	Acenaphthylene	< 79.0	U, D	µg/kg dry	372	79.0	5	"	"	"	"	"	X
120-12-7	Anthracene	< 85.2	U, D	µg/kg dry	372	85.2	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 77.1	U, D	µg/kg dry	372	77.1	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 77.6	U, D	µg/kg dry	372	77.6	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 84.9	U, D	µg/kg dry	372	84.9	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 80.7	U, D	µg/kg dry	372	80.7	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 84.9	U, D	µg/kg dry	372	84.9	5	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 336	U, D	µg/kg dry	1840	336	5	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 335	U, D	µg/kg dry	932	335	5	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 335	U, D	µg/kg dry	932	335	5	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 460	U, D	µg/kg dry	932	460	5	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 372	U, D	µg/kg dry	1840	372	5	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 408	U, D	µg/kg dry	1840	408	5	"	"	"	"	"	X
86-74-8	Carbazole	< 474	U, D	µg/kg dry	932	474	5	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 382	U, D	µg/kg dry	1840	382	5	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 380	U, D	µg/kg dry	932	380	5	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 324	U, D	µg/kg dry	1840	324	5	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 330	U, D	µg/kg dry	932	330	5	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 346	U, D	µg/kg dry	1840	346	5	"	"	"	"	"	X
218-01-9	Chrysene	< 91.0	U, D	µg/kg dry	372	91.0	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 68.4	U, D	µg/kg dry	372	68.4	5	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 68.4	U, D	µg/kg dry	932	68.4	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 310	U, D	µg/kg dry	1840	310	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 327	U, D	µg/kg dry	1840	327	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 305	U, D	µg/kg dry	1840	305	5	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 374	U, D	µg/kg dry	1840	374	5	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 317	U, D	µg/kg dry	932	317	5	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 385	U, D	µg/kg dry	1840	385	5	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 363	U, D	µg/kg dry	1840	363	5	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 316	U, D	µg/kg dry	1840	316	5	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 414	U, D	µg/kg dry	1840	414	5	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 490	U, D	µg/kg dry	1840	490	5	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 485	U, D	µg/kg dry	1840	485	5	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 384	U, D	µg/kg dry	932	384	5	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 362	U, D	µg/kg dry	932	362	5	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 398	U, D	µg/kg dry	1840	398	5	"	"	"	"	"	X
206-44-0	Fluoranthene	< 93.5	U, D	µg/kg dry	372	93.5	5	"	"	"	"	"	X
86-73-7	Fluorene	< 89.2	U, D	µg/kg dry	372	89.2	5	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 407	U, D	µg/kg dry	932	407	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 297	U, D	µg/kg dry	932	297	5	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blind Duplicate 2 SC06702-18	2150606	Soil	28-Apr-15 00:00	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
77-47-4	Hexachlorocyclopentadiene	< 340	U, D	µg/kg dry	932	340	5	SW846 8270D	29-Apr-15	05-May-15	MSL	1508313	X
67-72-1	Hexachloroethane	< 358	U, D	µg/kg dry	932	358	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 76.2	U, D	µg/kg dry	372	76.2	5	"	"	"	"	"	X
78-59-1	Isophorone	< 325	U, D	µg/kg dry	932	325	5	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 76.8	U, D	µg/kg dry	372	76.8	5	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 331	U, D	µg/kg dry	1840	331	5	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 415	U, D	µg/kg dry	1840	415	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 75.9	U, D	µg/kg dry	372	75.9	5	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 369	U, D	µg/kg dry	1840	369	5	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 441	U, D	µg/kg dry	1840	441	5	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 533	U, D	µg/kg dry	932	533	5	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 362	U, D	µg/kg dry	932	362	5	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 309	U, D	µg/kg dry	932	309	5	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 498	U, D	µg/kg dry	7370	498	5	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 397	U, D	µg/kg dry	932	397	5	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 433	U, D	µg/kg dry	1840	433	5	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 439	U, D	µg/kg dry	1840	439	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**101**	J, D	µg/kg dry	372	90.9	5	"	"	"	"	"	X
108-95-2	Phenol	< 336	U, D	µg/kg dry	1840	336	5	"	"	"	"	"	X
129-00-0	Pyrene	< 79.3	U, D	µg/kg dry	372	79.3	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 293	U, D	µg/kg dry	1840	293	5	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 381	U, D	µg/kg dry	1840	381	5	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*62*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*53*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*66*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*68*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*45*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A			R01										
	Tentatively Identified Compounds	**None found**		µg/kg dry			5	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.120	U	mg/kg dry	1.64	0.120	1	SW846 6010C	04-May-15	04-May-15	TBC	1508397	X
7440-38-2	Arsenic	**5.25**		mg/kg dry	1.64	0.265	1	"	"	"	"	"	X
7440-39-3	Barium	**117**		mg/kg dry	1.09	0.0649	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.0328**	J	mg/kg dry	0.547	0.0175	1	"	"	"	"	"	X
7440-47-3	Chromium	**11.0**		mg/kg dry	1.09	0.104	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0581**		mg/kg dry	0.0316	0.0021	1	SW846 7471B	"	04-May-15	YR	1508398	X
7439-92-1	Lead	**22.7**		mg/kg dry	1.64	0.302	1	SW846 6010C	"	04-May-15	TBC	1508397	X
7782-49-2	Selenium	< 0.411	U	mg/kg dry	1.64	0.411	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blind Duplicate 2	2150606	Soil	28-Apr-15 00:00	28-Apr-15
SC06702-18				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	**88.9**		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	
57-12-5	Cyanide (total)	< 0.416	U	mg/kg dry	0.520	0.416	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-8-10.4' SC06702-19	2150606	Soil	28-Apr-15 10:40	28-Apr-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DT	1508307	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 10.23 g							
67-64-1	Acetone	< 21.1	U	µg/kg dry	31.6	21.1	1	SW846 8260C	01-May-15	01-May-15	SJB	1508452	X
71-43-2	Benzene	< 0.6	U	µg/kg dry	3.2	0.6	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 2.1	U	µg/kg dry	3.2	2.1	1	"	"	"	"	"	X
75-25-2	Bromoform	< 3.0	U	µg/kg dry	3.2	3.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 1.8	U	µg/kg dry	6.3	1.8	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 3.8	U	µg/kg dry	31.6	3.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.9	U	µg/kg dry	3.2	0.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 2.5	U	µg/kg dry	3.2	2.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 2.1	U	µg/kg dry	3.2	2.1	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 1.9	U	µg/kg dry	6.3	1.9	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 2.6	U	µg/kg dry	3.2	2.6	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.5	U	µg/kg dry	3.2	0.5	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 1.8	U	µg/kg dry	6.3	1.8	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.0	U	µg/kg dry	3.2	1.0	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 1.3	U	µg/kg dry	6.3	1.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2.1	U	µg/kg dry	3.2	2.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.5	U	µg/kg dry	3.2	0.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.6	U	µg/kg dry	3.2	0.6	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.8	U	µg/kg dry	3.2	0.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.1	U	µg/kg dry	6.3	1.1	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 2.0	U	µg/kg dry	3.2	2.0	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.8	U	µg/kg dry	3.2	0.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 2.4	U	µg/kg dry	3.2	2.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.2	U	µg/kg dry	3.2	1.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.7	U	µg/kg dry	3.2	1.7	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.7	U	µg/kg dry	3.2	1.7	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 1.9	U	µg/kg dry	3.2	1.9	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 1.7	U	µg/kg dry	3.2	1.7	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.6	U	µg/kg dry	3.2	0.6	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 3.5	U	µg/kg dry	31.6	3.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.6	U	µg/kg dry	3.2	0.6	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 3.0	U	µg/kg dry	3.2	3.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.2	U	µg/kg dry	3.2	1.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5.9	U	µg/kg dry	31.6	5.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	**1.5**	O01, J	µg/kg dry	6.3	0.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 2.9	U	µg/kg dry	3.2	2.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 3.1	U	µg/kg dry	3.2	3.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.5	U	µg/kg dry	3.2	0.5	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2.7	U	µg/kg dry	3.2	2.7	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.2	U	µg/kg dry	3.2	1.2	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.7	U	µg/kg dry	3.2	0.7	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-8-10.4' SC06702-19	2150606	Soil	28-Apr-15 10:40	28-Apr-15

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5035A Soil (low level) — Initial weight: 10.23 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
71-55-6	1,1,1-Trichloroethane	< 0.8	U	µg/kg dry	3.2	0.8	1	SW846 8260C	01-May-15	01-May-15	SJB	1508452	X
79-00-5	1,1,2-Trichloroethane	< 2.3	U	µg/kg dry	3.2	2.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.8	U	µg/kg dry	3.2	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.7	U	µg/kg dry	3.2	1.7	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 0.8	U	µg/kg dry	3.2	0.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/kg dry	3.2	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.1	U	µg/kg dry	3.2	1.1	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.6	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.7	U	µg/kg dry	3.2	0.7	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*113*			*70-130 %*			"	"	"	"	"	

Re-analysis of Volatile Organic Compounds by SW846 8260 — QCR

Prepared by method SW846 5035A Soil (high level) — Initial weight: 2.64 g

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	< 725	U, D	µg/kg dry	1090	725	50	SW846 8260C	04-May-15	05-May-15	SJB	1508542	X
71-43-2	Benzene	< 19.8	U, D	µg/kg dry	109	19.8	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 72.4	U, D	µg/kg dry	109	72.4	50	"	"	"	"	"	X
75-25-2	Bromoform	< 104	U, D	µg/kg dry	109	104	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 62.0	U, D	µg/kg dry	217	62.0	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 130	U, D	µg/kg dry	1090	130	50	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 31.1	U, D	µg/kg dry	109	31.1	50	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 84.9	U, D	µg/kg dry	109	84.9	50	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 71.3	U, D	µg/kg dry	109	71.3	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 66.6	U, D	µg/kg dry	217	66.6	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 88.8	U, D	µg/kg dry	109	88.8	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 17.4	U, D	µg/kg dry	109	17.4	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 60.3	U, D	µg/kg dry	217	60.3	50	"	"	"	"	"	X
67-66-3	Chloroform	< 36.0	U, D	µg/kg dry	109	36.0	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 44.8	U, D	µg/kg dry	217	44.8	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 73.6	U, D	µg/kg dry	109	73.6	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 18.9	U, D	µg/kg dry	109	18.9	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 22.0	U, D	µg/kg dry	109	22.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 26.5	U, D	µg/kg dry	109	26.5	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 37.2	U, D	µg/kg dry	217	37.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 70.0	U, D	µg/kg dry	109	70.0	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 26.4	U, D	µg/kg dry	109	26.4	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 81.5	U, D	µg/kg dry	109	81.5	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 40.0	U, D	µg/kg dry	109	40.0	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 57.5	U, D	µg/kg dry	109	57.5	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-8-10.4'	2150606	Soil	28-Apr-15 10:40	28-Apr-15
SC06702-19				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Re-analysis of Volatile Organic Compounds by SW846 8260			QCR										
Prepared by method SW846 5035A Soil (high level)						Initial weight: 2.64 g							
78-87-5	1,2-Dichloropropane	< 56.9	U, D	µg/kg dry	109	56.9	50	SW846 8260C	04-May-15	05-May-15	SJB	1508542	X
10061-01-5	cis-1,3-Dichloropropene	< 65.5	U, D	µg/kg dry	109	65.5	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 57.0	U, D	µg/kg dry	109	57.0	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 19.1	U, D	µg/kg dry	109	19.1	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 119	U, D	µg/kg dry	1090	119	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 20.6	U, D	µg/kg dry	109	20.6	50	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 102	U, D	µg/kg dry	109	102	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 41.9	U, D	µg/kg dry	109	41.9	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 205	U, D	µg/kg dry	1090	205	50	"	"	"	"	"	X
75-09-2	Methylene chloride	**52.1**	O01, J, D	µg/kg dry	217	31.7	50	"	"	"	"	"	X
91-20-3	Naphthalene	< 99.5	U, D	µg/kg dry	109	99.5	50	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 105	U, D	µg/kg dry	109	105	50	"	"	"	"	"	X
100-42-5	Styrene	< 18.8	U, D	µg/kg dry	109	18.8	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 91.9	U, D	µg/kg dry	109	91.9	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 41.4	U, D	µg/kg dry	109	41.4	50	"	"	"	"	"	X
108-88-3	Toluene	< 25.0	U, D	µg/kg dry	109	25.0	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 28.1	U, D	µg/kg dry	109	28.1	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 78.7	U, D	µg/kg dry	109	78.7	50	"	"	"	"	"	X
79-01-6	Trichloroethene	< 18.7	U, D	µg/kg dry	109	18.7	50	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 58.5	U, D	µg/kg dry	109	58.5	50	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 27.3	U, D	µg/kg dry	109	27.3	50	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 31.2	U, D	µg/kg dry	109	31.2	50	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 39.5	U, D	µg/kg dry	109	39.5	50	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 21.4	U, D	µg/kg dry	217	21.4	50	"	"	"	"	"	X
95-47-6	o-Xylene	< 23.1	U, D	µg/kg dry	109	23.1	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*106*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 10.23 g							
108-05-4	Vinyl acetate	< 6.6	U	µg/kg dry	31.6	6.6	1	SW846 8260C	01-May-15	01-May-15	SJB	1508451	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*106*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 10.23 g							
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	01-May-15	"	SJB	1508452	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-09-8-10.4'	2150606	Soil	28-Apr-15 10:40	28-Apr-15
SC06702-19				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	91.2		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

The following list indicates the date and time low-level VOC soil/sediment samples were placed in the freezer at the lab:

SC06702-03	*SB-03-3-4'*	4/28/2015 2:52 PM
SC06702-04	*SB-04-14-16'*	4/28/2015 2:52 PM
SC06702-05	*Blind Duplicate 1*	4/28/2015 2:52 PM
SC06702-09	*SB-02-10.6-11.6'*	4/28/2015 2:52 PM
SC06702-12	*SB-06-5-6'*	4/28/2015 2:52 PM
SC06702-13	*SB-07-19-20'*	4/28/2015 2:52 PM
SC06702-16	*SB-08A-9-10.4'*	4/28/2015 2:52 PM
SC06702-19	*SB-09-8-10.4'*	4/28/2015 2:52 PM

Notes and Definitions

B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
D	Data reported from a dilution
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O01	This compound is a common laboratory contaminant.
QB2	The method blank contains analyte at a concentration above the MRL, however no reportable concentration is present in the sample.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QCR	Sample data reported for QC purposes only.
QM10	LCS/LCSD were analyzed in place of MS/MSD.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
R01	The Reporting Limit has been raised to account for matrix interference.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
TIC	(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly LaPlante
Rebecca Merz

SC06702 ✓ [illegible]

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Page 1 of 2

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:

TAT- Indicate Date Needed: 5 DAY

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
LaBella Associates
300 State St. Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr. Dan Noll

Invoice To: Michelle Clauss(?)
← SAME
mclauss@labellapc.com
P.O. No.: 2150606 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= Methanol 12=

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

G=Grab C=Composite

List preservative code below: 9,11

QA/QC Reporting Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other

State-specific reporting standards: ASP Cat. B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL+CP51 VOC +10 TICS	TCL+CP51 SVOC +20 TICS	RCRA metals	Cyanide	PCBs	Pesticides	QA/QC Notes
SC06702-01	SB-01-3-4'	4/27/15	10:10	G	SO			1			X	X	X			
02	SB-01-18-20'	4/27/15	11:20	G	SO	3	1			X						HOLD
03	SB-03-3-4'	4/27/15	12:20	G	SO	3	1	1		X	X	X	X	X	X	
04	SB-04-14-16'	4/27/15	14:30	G	SO	3	1			X						
05	Blind Duplicate 1	4/27/15	—	G	SO	3	1			X						
06	SB-06-19-20'	4/27/15	16:30	G	SO	3	1			X						~~HOLD~~ AA HOLD
07	SB-04-3-4'	4/27/15	13:40	G	SO		~~X~~	1			X	X	X			HOLD
* 08	SB-05-7-8'	4/27/15		G	SO			1			X	X	X			
09	SB-02-10.6-11.6	4/27/15	11:30	G	SO	3	1			X						
10	SB-03-9-10'	4/27/15	13:00	G	SO	3	1			X						HOLD

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Tony Cepanzo	4/28/15	1452	1.3
Tony Cepanzo	Hudey	4/28/15	17:30	—
Hudey	Tony Cepanzo	4/29/15	7:45	1.3
Tony Cepanzo	[signature]	4/29/15	1505	0.1

☒ EDD Format EQUIS
☒ E-mail to aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Revised Feb 2013

/ SC06702 · By

Page 2 of 2

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:

TAT- Ind icate Date Needed: 5 DAY

- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
LaBella Associates
300 State St, Rochester NY 14614
Telephone #:
Project Mgr.

Invoice To: michelle Clausen
← SAME
mclausen@labellapc.com
P.O. No.: 2150606 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= methanol 12=

List preservative code below: 9,11

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DW=Drinking Water GW=Groundwater WW=Wastewater
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Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL+CP51 VOC +10 TICs	TCL+CP51 SVOC +10 TICs	RCRA metals	Cyanide	Pesticides	PCBs	QA/QC
	~~SB-04-3-4'~~	~~4/27/15~~	~~13:40~~													~~HOLD~~ AA
SC06702-11	SB-05-22-24	4/27/15	15:30	G	SO	3	1	1		X	X	X	X			HOLD
12	SB-06-5-6'	4/27/15	16:00	G	SO	3	2				X	X	X			
13	SB-07-19-20'	4/27/15	17:00	G	SO	9	1			X						~~HOLD~~
14	Trip Blank	4/27/15	—			2				X						
15	SB-08-4-5'	4/28/15	9:20	G	SO		1				X	X	X			HOLD
16	SB-08A-9-10.4'	4/28/15	10:00	G	SO	3	2			X	X	X	X			
17	SB-09-2-3	4/28/15	10:25	G	SO		1				X	X	X			
18	Blind Duplicate 2	4/28/15	—	G	SO		1				X	X	X			
19	SB-09-8-10.4	4/28/15	10:40	G	SO	9	1			X						MS/MSD

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☒ Other ASP Cat. B

State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[illegible]	Tony Caporizzo	4/28/15	1452	1.3
Tony Caporizzo	[illegible]	4/28/15	17:20	-1
[illegible]	Tony Caporizzo	4/29/15	7:45	.3
Tony Caporizzo	[illegible]	4/29/15	1505	01

☒ EDD Format EQUIS
☒ E-mail to aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Revised Feb 2013

/ SC06702 · [illegible]

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Page 2 of 2

CHAIN OF CUSTODY RECORD

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LaBella Associates
300 State St, Rochester NY 14614
Telephone #:
Project Mgr.

Invoice To: michelle Clausen
← SAME
mclausen@labellapc.com
P.O. No.: 2150606 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
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Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL+CP51 VOC +10 TICs	TCL+CP51 SVOC +10 TICs	RCRA metals	Cyanide	Pesticides	PCBs			QA/QC Reporting Notes
	~~SB-04-3-4'~~	~~4/27/15~~	~~13:40~~															~~HOLD~~ AA
SC06702-11	SB-05-22-24	4/27/15	15:30	G	SO	3	1	1		X	X	X	X					HOLD
12	SB-06-5-6'	4/27/15	16:00	G	SO	3	2				X	X	X					
13	SB-07-19-20'	4/27/15	17:00	G	SO	9	1			X								~~HOLD~~ Run MS/MSD per client.
14	Trip Blank	4/27/15	—			2				X								
15	SB-08-4-5'	4/28/15	9:20	G	SO		1				X	X	X					HOLD
16	SB-08A-9-10.4'	4/28/15	10:00	G	SO	3	2			X	X	X	X					
17	SB-09-2-3	4/28/15	10:25	G	SO		1				X	X	X					
18	Blind Duplicate 2	4/28/15	—	G	SO		1				X	X	X					
19	SB-09-8-10.4	4/28/15	10:40	G	SO	9	1			X								MS/MSD

QA/QC Reporting Level
☐ Level I ☐ Level II
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☒ Other ASP Cat. B
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Tony Caporizzo	4/28/15	1452	1.3
Tony Caporizzo	[signature]	4/28/15	17:20	—
[signature]	Tony Caporizzo	4/29/15	7:45	.3
Tony Caporizzo	[signature]	4/29/15	1505	0.1

☒ EDD Format EQUIS
☒ E-mail to aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Revised Feb 2013

/ SC06702 By

SPECTRUM ANALYTICAL, INC.
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Page 2 of 2

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300 State St, Rochester NY 14614
Telephone #:
Project Mgr.

Invoice To: michelle Clausen
← SAME
mclausen@labellapc.com
P.O. No.: 2150606 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

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State-specific reporting standards:

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	~~SB-04-3-4'~~	~~4/27/15~~	~~13:40~~															~~HOLD~~ AA
SC06702-11	SB-05-22-24	4/27/15	15:30	G	SO	3	1	1		X	X	X	X					HOLD
12	SB-06-5-6'	4/27/15	16:00	G	SO	3	2				X	X	X					
13	SB-07-19-20'	4/27/15	17:00	G	SO	9	1			X								~~HOLD~~ Run MS/MSD per client.
14	Trip Blank	4/27/15	—			2				X								
15	SB-08-4-5'	4/28/15	9:20	G	SO		1				X	X	X					HOLD
16	SB-08A-9-10.4'	4/28/15	10:00	G	SO	3	2			X	X	X	X					Hold, per client BN 4/30
17	SB-09-2-3	4/28/15	10:25	G	SO		1				X	X	X					
18	Blind Duplicate 2	4/28/15	—	G	SO		1				X	X	X					
19	SB-09-8-10.4	4/28/15	10:40	G	SO	9	1			X								MS/MSD

Relinquished by:	Received by:	Date:	Time:	Temp°C
Ann Aquilina	Tony Esposito	4/28/15	1452	1.3
Tony Esposito	Fedex	4/28/15	17:20	—
Fedex	Tony Esposito	4/29/15	7:45	.3
Tony Esposito	[illegible]	4/29/15	1505	0.1

☒ EDD Format EQUIS
☒ E-mail to aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
11-May-15 15:49

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Labella Associates, P.C.
300 State Street Suite 201
Rochester, NY 14614
Attn: Dan Noll

Project: Corning Hospital, NY
Project #: 2150606

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC06877-01	SB-10-4-5	Soil	28-Apr-15 11:00	02-May-15 11:30
SC06877-08	SB-15-2-3	Soil	29-Apr-15 11:20	02-May-15 11:30
SC06877-09	SB-16-7-8	Soil	29-Apr-15 12:00	02-May-15 11:30
SC06877-11	SB-17-2.5-3.5	Soil	29-Apr-15 13:05	02-May-15 11:30
SC06877-12	SB-17-6-8	Soil	29-Apr-15 13:10	02-May-15 11:30
SC06877-15	SB-19-1-3	Soil	29-Apr-15 14:40	02-May-15 11:30
SC06877-17	SB-20-7-8	Soil	29-Apr-15 17:00	02-May-15 11:30
SC06877-20	SB-23-17-18	Soil	30-Apr-15 14:40	02-May-15 11:30
SC06877-21	SB-22-5-6	Soil	30-Apr-15 11:30	02-May-15 11:30
SC06877-22	SB-22-19-20	Soil	30-Apr-15 13:20	02-May-15 11:30
SC06877-24	SB-25-20-24	Soil	01-May-15 11:00	02-May-15 11:30
SC06877-27	Trip Blank	Aqueous	01-May-15 00:00	02-May-15 11:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 35 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as “<” (less than) the reporting limit in this report.

The samples were received 4.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

All VOC soils samples submitted and analyzed in methanol will have a minimum dilution factor of 50. This is the minimum amount of solvent allowed on the instrumentation without causing interference. Soils are run on a manual load instrument. 100ug of sample (MEOH) is spiked into 5ml DI water along with the surrogate and added directly onto the instrument. Additional dilution factors may be required to keep analyte concentration within instrument calibration range.

Method SW846 5035A is designed to use on samples containing low levels of VOCs, ranging from 0.5 to 200 ug/Kg. Target analytes that are less responsive to purge and trap may be present at concentrations over 200ug/Kg but may not be reportable in the methanol preserved vial (SW846 5030). This is the result of the inherent dilution factor required for the methanol preservation.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 6010C

Spikes:

1508923-MSD1 *Source: SC06877-08*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Lead

Duplicates:

1508923-DUP1 *Source: SC06877-08*

The Reporting Limit has been raised to account for matrix interference.

Selenium

Samples:

SC06877-08 *SB-15-2-3*

The Reporting Limit has been raised to account for matrix interference.

Selenium

SC06877-11 *SB-17-2.5-3.5*

The Reporting Limit has been raised to account for matrix interference.

Selenium

SC06877-12 *SB-17-6-8*

The Reporting Limit has been raised to account for matrix interference.

Selenium

SW846 7471B

Duplicates:

1508924-DUP1 *Source: SC06877-08*

SW846 7471B

Duplicates:

1508924-DUP1 *Source: SC06877-08*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

Samples:

SC06877-08 *SB-15-2-3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SC06877-12 *SB-17-6-8*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SW846 8260C

Calibration:

1504013

Analyte quantified by quadratic equation type calibration.

Bromoform
Naphthalene

This affected the following samples:

1508958-BLK1
1508958-BS1
1508958-BSD1
S502844-ICV1
S504344-CCV1
Trip Blank

1504015

Analyte quantified by quadratic equation type calibration.

2-Butanone (MEK)
2-Hexanone (MBK)
4-Methyl-2-pentanone (MIBK)
Bromoform
Carbon tetrachloride
cis-1,3-Dichloropropene
Dibromochloromethane
Naphthalene
trans-1,3-Dichloropropene

This affected the following samples:

1508642-BLK1
1508642-BS1
1508642-BSD1
S503006-ICV1
S504173-CCV1
SB-16-7-8
SB-19-1-3
SB-22-19-20
SB-23-17-18
SB-25-20-24

SW846 8260C

Samples:

S504173-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,1,1,2-Tetrachloroethane (25.6%)
Bromomethane (-20.1%)
Chloromethane (-22.2%)
Dichlorodifluoromethane (Freon12) (-21.5%)
Tert-Butanol / butyl alcohol (30.5%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Ethyl tert-butyl ether (20.9%)
trans-1,4-Dichloro-2-butene (22.2%)

This affected the following samples:

1508642-BLK1
1508642-BS1
1508642-BSD1
SB-16-7-8
SB-19-1-3
SB-22-19-20
SB-23-17-18
SB-25-20-24

S504174-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

2-Chloroethylvinyl ether (-28.5%)

This affected the following samples:

1508644-BLK1
1508644-BS1
1508644-BSD1

S504344-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-30.1%)
Bromodichloromethane (-20.9%)
Bromomethane (-37.6%)
Carbon disulfide (-25.0%)
Dichlorodifluoromethane (Freon12) (-22.7%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Bromoform (-23.6%)

This affected the following samples:

1508958-BLK1
1508958-BS1
1508958-BSD1
Trip Blank

SC06877-09 *SB-16-7-8*

This compound is a common laboratory contaminant.

Methylene chloride

SC06877-15 *SB-19-1-3*

SW846 8260C

Samples:

SC06877-15 *SB-19-1-3*

This compound is a common laboratory contaminant.

Methylene chloride

SC06877-20 *SB-23-17-18*

This compound is a common laboratory contaminant.

Methylene chloride

SC06877-22 *SB-22-19-20*

This compound is a common laboratory contaminant.

Methylene chloride

SC06877-24 *SB-25-20-24*

This compound is a common laboratory contaminant.

Methylene chloride

SW846 8270D

Calibration:

1503056

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol

This affected the following samples:

S502322-ICV1

Spikes:

1508622-MS1 *Source: SC06877-08*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2,4-Dinitrophenol
3,3´-Dichlorobenzidine
Aniline

1508622-MSD1 *Source: SC06877-08*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2,4-Dinitrophenol
Aniline

Samples:

S504249-CCV1

SW846 8270D

Samples:

S504249-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Azobenzene/Diphenyldiazene (20.5%)
Benzo (b) fluoranthene (21.4%)
Bis(2-chloroethyl)ether (20.3%)
Bis(2-chloroisopropyl)ether (27.3%)
N-Nitrosodimethylamine (24.6%)
Pentachlorophenol (-23.8%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (-29.3%)

This affected the following samples:

1508622-BLK1
1508622-BS1

S504431-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Bis(2-chloroisopropyl)ether (20.8%)
N-Nitrosodimethylamine (21.2%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (22.2%)

This affected the following samples:

1508622-MS1
1508622-MSD1
SB-15-2-3
SB-16-7-8
SB-17-2.5-3.5
SB-17-6-8

Sample Acceptance Check Form

Client:	Labella Associates, P.C.
Project:	Corning Hospital, NY / 2150606
Work Order:	SC06877
Sample(s) received on:	5/2/2015

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☑	☐	☐
Were custody seals intact?	☑	☐	☐
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☐	☑	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☐	☑	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-10-4-5 SC06877-01	2150606	Soil	28-Apr-15 11:00	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.60		mg/kg dry	1.60	0.117	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**7.02**		mg/kg dry	1.60	0.258	1	"	"	"	"	"	X
7440-39-3	Barium	**36.3**		mg/kg dry	1.06	0.0632	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.532		mg/kg dry	0.532	0.0170	1	"	"	"	"	"	X
7440-47-3	Chromium	**5.98**		mg/kg dry	1.06	0.102	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.0342**		mg/kg dry	0.0316	0.0021	1	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**95.9**		mg/kg dry	1.60	0.293	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 1.60		mg/kg dry	1.60	0.399	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**93.1**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15-2-3 SC06877-08	2150606	Soil	29-Apr-15 11:20	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 81.7		µg/kg dry	81.7	19.0	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
208-96-8	Acenaphthylene	< 81.7		µg/kg dry	81.7	17.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 81.7		µg/kg dry	81.7	18.7	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 81.7		µg/kg dry	81.7	16.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 81.7		µg/kg dry	81.7	17.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 81.7		µg/kg dry	81.7	18.6	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 81.7		µg/kg dry	81.7	17.7	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 81.7		µg/kg dry	81.7	18.6	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 404		µg/kg dry	404	73.8	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 204		µg/kg dry	204	73.5	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 204		µg/kg dry	204	73.4	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 204		µg/kg dry	204	101	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 404		µg/kg dry	404	81.7	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 404		µg/kg dry	404	89.6	1	"	"	"	"	"	X
86-74-8	Carbazole	< 204		µg/kg dry	204	104	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 404		µg/kg dry	404	83.8	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 204		µg/kg dry	204	83.4	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 404		µg/kg dry	404	71.1	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 204		µg/kg dry	204	72.3	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 404		µg/kg dry	404	75.9	1	"	"	"	"	"	X
218-01-9	Chrysene	< 81.7		µg/kg dry	81.7	20.0	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 81.7		µg/kg dry	81.7	15.0	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15-2-3 SC06877-08	2150606	Soil	29-Apr-15 11:20	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
132-64-9	Dibenzofuran	< 204		µg/kg dry	204	15.0	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
95-50-1	1,2-Dichlorobenzene	< 404		µg/kg dry	404	67.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 404		µg/kg dry	404	71.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 404		µg/kg dry	404	66.9	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 404		µg/kg dry	404	82.0	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 204		µg/kg dry	204	69.6	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 404		µg/kg dry	404	84.3	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 404		µg/kg dry	404	79.6	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 404		µg/kg dry	404	69.3	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 404		µg/kg dry	404	90.7	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 404		µg/kg dry	404	107	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 404		µg/kg dry	404	106	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 204		µg/kg dry	204	84.2	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 204		µg/kg dry	204	79.3	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 404		µg/kg dry	404	87.3	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**82.0**		µg/kg dry	81.7	20.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 81.7		µg/kg dry	81.7	19.6	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 204		µg/kg dry	204	89.3	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 204		µg/kg dry	204	65.0	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 204		µg/kg dry	204	74.5	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 204		µg/kg dry	204	78.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 81.7		µg/kg dry	81.7	16.7	1	"	"	"	"	"	X
78-59-1	Isophorone	< 204		µg/kg dry	204	71.4	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 81.7		µg/kg dry	81.7	16.8	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 404		µg/kg dry	404	72.5	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 404		µg/kg dry	404	90.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 81.7		µg/kg dry	81.7	16.6	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 404		µg/kg dry	404	81.0	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 404		µg/kg dry	404	96.7	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 204		µg/kg dry	204	117	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 204		µg/kg dry	204	79.3	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 204		µg/kg dry	204	67.7	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1620		µg/kg dry	1620	109	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 204		µg/kg dry	204	87.0	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 404		µg/kg dry	404	95.0	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 404		µg/kg dry	404	96.2	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**83.7**		µg/kg dry	81.7	19.9	1	"	"	"	"	"	X
108-95-2	Phenol	< 404		µg/kg dry	404	73.6	1	"	"	"	"	"	X
129-00-0	Pyrene	**97.1**		µg/kg dry	81.7	17.4	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 404		µg/kg dry	404	64.3	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 404		µg/kg dry	404	83.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*50*			*30-130 %*			"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-15-2-3 SC06877-08	2150606	Soil	29-Apr-15 11:20	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
367-12-4	*2-Fluorophenol*	*61*			*30-130 %*			SW846 8270D	05-May-15	10-May-15	MSL	1508622	
4165-60-0	*Nitrobenzene-d5*	*61*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*66*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*55*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*53*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.81		mg/kg dry	1.81	0.133	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**16.0**		mg/kg dry	1.81	0.293	1	"	"	"	"	"	X
7440-39-3	Barium	**201**		mg/kg dry	1.21	0.0718	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.604		mg/kg dry	0.604	0.0193	1	"	"	"	"	"	X
7440-47-3	Chromium	**14.9**		mg/kg dry	1.21	0.115	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.438**	GS1, D	mg/kg dry	0.174	0.0114	5	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**234**		mg/kg dry	1.81	0.334	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 2.30	R01	mg/kg dry	2.30	0.454	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**81.4**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification		Client Project #	Matrix	Collection Date/Time	Received
SB-16-7-8		2150606	Soil	29-Apr-15 12:00	02-May-15
SC06877-09					

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 8.93 g							
67-64-1	Acetone	< 40.0		µg/kg dry	40.0	26.7	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
71-43-2	Benzene	< 4.0		µg/kg dry	4.0	0.7	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.0		µg/kg dry	4.0	2.7	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.0		µg/kg dry	4.0	3.8	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 8.0		µg/kg dry	8.0	2.3	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 40.0		µg/kg dry	40.0	4.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.0		µg/kg dry	4.0	1.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.0		µg/kg dry	4.0	3.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.0		µg/kg dry	4.0	2.6	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 8.0		µg/kg dry	8.0	2.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.0		µg/kg dry	4.0	3.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.0		µg/kg dry	4.0	0.6	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 8.0		µg/kg dry	8.0	2.2	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.0		µg/kg dry	4.0	1.3	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 8.0		µg/kg dry	8.0	1.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.0		µg/kg dry	4.0	2.7	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.0		µg/kg dry	4.0	0.7	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.0		µg/kg dry	4.0	0.8	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.0		µg/kg dry	4.0	1.0	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 8.0		µg/kg dry	8.0	1.4	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.0		µg/kg dry	4.0	2.6	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.0		µg/kg dry	4.0	1.0	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.0		µg/kg dry	4.0	3.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.0		µg/kg dry	4.0	1.5	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.0		µg/kg dry	4.0	2.1	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.0		µg/kg dry	4.0	2.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.0		µg/kg dry	4.0	2.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.0		µg/kg dry	4.0	2.1	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.0		µg/kg dry	4.0	0.7	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 40.0		µg/kg dry	40.0	4.4	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4.0		µg/kg dry	4.0	0.8	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.0		µg/kg dry	4.0	3.8	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.0		µg/kg dry	4.0	1.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 40.0		µg/kg dry	40.0	7.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 8.0	O01	µg/kg dry	8.0	1.2	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.0		µg/kg dry	4.0	3.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.0		µg/kg dry	4.0	3.9	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.0		µg/kg dry	4.0	0.7	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.0		µg/kg dry	4.0	3.4	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.0		µg/kg dry	4.0	1.5	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.0		µg/kg dry	4.0	0.9	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-7-8 SC06877-09	2150606	Soil	29-Apr-15 12:00	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 8.93 g							
71-55-6	1,1,1-Trichloroethane	< 4.0		µg/kg dry	4.0	1.0	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
79-00-5	1,1,2-Trichloroethane	< 4.0		µg/kg dry	4.0	2.9	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.0		µg/kg dry	4.0	0.7	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.0		µg/kg dry	4.0	2.2	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 4.0		µg/kg dry	4.0	1.0	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 4.0		µg/kg dry	4.0	1.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.0		µg/kg dry	4.0	1.5	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 8.0		µg/kg dry	8.0	0.8	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 4.0		µg/kg dry	4.0	0.9	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 8.93 g							
108-05-4	Vinyl acetate	< 40.0		µg/kg dry	40.0	8.4	1	"	05-May-15	"	"	1508644	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*107*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*115*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 8.93 g							
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	05-May-15	"	SJB	1508642	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 76.7		µg/kg dry	76.7	17.9	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
208-96-8	Acenaphthylene	< 76.7		µg/kg dry	76.7	16.3	1	"	"	"	"	"	X
120-12-7	Anthracene	< 76.7		µg/kg dry	76.7	17.6	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 76.7		µg/kg dry	76.7	15.9	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 76.7		µg/kg dry	76.7	16.0	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 76.7		µg/kg dry	76.7	17.5	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 76.7		µg/kg dry	76.7	16.6	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 76.7		µg/kg dry	76.7	17.5	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 380		µg/kg dry	380	69.3	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 192		µg/kg dry	192	69.1	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 192		µg/kg dry	192	69.0	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 192		µg/kg dry	192	94.8	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-7-8	2150606	Soil	29-Apr-15 12:00	02-May-15
SC06877-09				

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds
Prepared by method SW846 3545A

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
101-55-3	4-Bromophenyl phenyl ether	< 380		µg/kg dry	380	76.7	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
85-68-7	Butyl benzyl phthalate	< 380		µg/kg dry	380	84.1	1	"	"	"	"	"	X
86-74-8	Carbazole	< 192		µg/kg dry	192	97.6	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 380		µg/kg dry	380	78.8	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 192		µg/kg dry	192	78.4	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 380		µg/kg dry	380	66.8	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 192		µg/kg dry	192	67.9	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 380		µg/kg dry	380	71.3	1	"	"	"	"	"	X
218-01-9	Chrysene	< 76.7		µg/kg dry	76.7	18.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 76.7		µg/kg dry	76.7	14.1	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 192		µg/kg dry	192	14.1	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 380		µg/kg dry	380	63.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 380		µg/kg dry	380	67.4	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 380		µg/kg dry	380	62.8	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 380		µg/kg dry	380	77.1	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 192		µg/kg dry	192	65.4	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 380		µg/kg dry	380	79.3	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 380		µg/kg dry	380	74.8	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 380		µg/kg dry	380	65.1	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 380		µg/kg dry	380	85.3	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 380		µg/kg dry	380	101	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 380		µg/kg dry	380	100	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 192		µg/kg dry	192	79.1	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 192		µg/kg dry	192	74.5	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 380		µg/kg dry	380	82.0	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 76.7		µg/kg dry	76.7	19.3	1	"	"	"	"	"	X
86-73-7	Fluorene	< 76.7		µg/kg dry	76.7	18.4	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 192		µg/kg dry	192	83.9	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 192		µg/kg dry	192	61.1	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 192		µg/kg dry	192	70.0	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 192		µg/kg dry	192	73.8	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 76.7		µg/kg dry	76.7	15.7	1	"	"	"	"	"	X
78-59-1	Isophorone	< 192		µg/kg dry	192	67.1	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 76.7		µg/kg dry	76.7	15.8	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 380		µg/kg dry	380	68.1	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 380		µg/kg dry	380	85.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 76.7		µg/kg dry	76.7	15.6	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 380		µg/kg dry	380	76.1	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 380		µg/kg dry	380	90.8	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 192		µg/kg dry	192	110	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 192		µg/kg dry	192	74.5	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 192		µg/kg dry	192	63.6	1	"	"	"	"	"	X

***This laboratory report is not valid without an authorized signature on the cover page*.**

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-7-8 SC06877-09	2150606	Soil	29-Apr-15 12:00	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
100-02-7	4-Nitrophenol	< 1520		µg/kg dry	1520	103	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
621-64-7	N-Nitrosodi-n-propylamine	< 192		µg/kg dry	192	81.7	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 380		µg/kg dry	380	89.3	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 380		µg/kg dry	380	90.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 76.7		µg/kg dry	76.7	18.7	1	"	"	"	"	"	X
108-95-2	Phenol	< 380		µg/kg dry	380	69.1	1	"	"	"	"	"	X
129-00-0	Pyrene	< 76.7		µg/kg dry	76.7	16.3	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 380		µg/kg dry	380	60.4	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 380		µg/kg dry	380	78.5	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*70*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*78*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*80*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*81*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*73*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*70*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides Prepared by method SW846 3545A													
319-84-6	alpha-BHC	< 5.75		µg/kg dry	5.75	0.560	1	SW846 8081B	04-May-15	05-May-15	TG	1508525	X
319-85-7	beta-BHC	< 5.75		µg/kg dry	5.75	0.741	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 5.75		µg/kg dry	5.75	0.450	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 3.45		µg/kg dry	3.45	0.618	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 5.75		µg/kg dry	5.75	0.671	1	"	"	"	"	"	X
309-00-2	Aldrin	< 5.75		µg/kg dry	5.75	0.639	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 5.75		µg/kg dry	5.75	0.608	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 5.75		µg/kg dry	5.75	0.647	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 5.75		µg/kg dry	5.75	0.658	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 5.75		µg/kg dry	5.75	0.681	1	"	"	"	"	"	X
72-20-8	Endrin	< 9.19		µg/kg dry	9.19	0.839	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 9.19		µg/kg dry	9.19	0.647	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 9.19		µg/kg dry	9.19	0.610	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 9.19		µg/kg dry	9.19	0.657	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 9.19		µg/kg dry	9.19	0.615	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 9.19		µg/kg dry	9.19	1.39	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 9.19		µg/kg dry	9.19	0.618	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 9.19		µg/kg dry	9.19	0.751	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 5.75		µg/kg dry	5.75	0.625	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 5.75		µg/kg dry	5.75	0.717	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 115		µg/kg dry	115	37.3	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-16-7-8 SC06877-09	2150606	Soil	29-Apr-15 12:00	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides Prepared by method SW846 3545A													
57-74-9	Chlordane	< 23.0		µg/kg dry	23.0	13.9	1	SW846 8081B	04-May-15	05-May-15	TG	1508525	X
15972-60-8	Alachlor	< 5.75		µg/kg dry	5.75	1.03	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*77*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*			"	"	"	"	"	
Polychlorinated Biphenyls Prepared by method SW846 3545A													
12674-11-2	Aroclor-1016	< 23.0		µg/kg dry	23.0	20.8	1	SW846 8082A	05-May-15	05-May-15	IMR	1508633	X
11104-28-2	Aroclor-1221	< 23.0		µg/kg dry	23.0	17.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 23.0		µg/kg dry	23.0	20.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 23.0		µg/kg dry	23.0	14.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 23.0		µg/kg dry	23.0	14.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 23.0		µg/kg dry	23.0	15.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 23.0		µg/kg dry	23.0	16.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 23.0		µg/kg dry	23.0	20.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 23.0		µg/kg dry	23.0	22.6	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.51		mg/kg dry	1.51	0.110	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**7.40**		mg/kg dry	1.51	0.243	1	"	"	"	"	"	X
7440-39-3	Barium	**31.0**		mg/kg dry	1.00	0.0597	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.502		mg/kg dry	0.502	0.0161	1	"	"	"	"	"	X
7440-47-3	Chromium	**6.94**		mg/kg dry	1.00	0.0959	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0324		mg/kg dry	0.0324	0.0021	1	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**8.16**		mg/kg dry	1.51	0.277	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 1.51		mg/kg dry	1.51	0.377	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**86.6**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	
57-12-5	Cyanide (total)	< 0.546		mg/kg dry	0.546	0.437	1	SW846 9012B	05-May-15	05-May-15	RLT	1508657	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-2.5-3.5 SC06877-11	2150606	Soil	29-Apr-15 13:05	02-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 89.6		µg/kg dry	89.6	20.9	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
208-96-8	Acenaphthylene	< 89.6		µg/kg dry	89.6	19.0	1	"	"	"	"	"	X
120-12-7	Anthracene	< 89.6		µg/kg dry	89.6	20.5	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 89.6		µg/kg dry	89.6	18.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 89.6		µg/kg dry	89.6	18.7	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 89.6		µg/kg dry	89.6	20.4	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 89.6		µg/kg dry	89.6	19.4	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 89.6		µg/kg dry	89.6	20.4	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 443		µg/kg dry	443	80.9	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 224		µg/kg dry	224	80.6	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 224		µg/kg dry	224	80.5	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 224		µg/kg dry	224	111	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 443		µg/kg dry	443	89.6	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 443		µg/kg dry	443	98.2	1	"	"	"	"	"	X
86-74-8	Carbazole	< 224		µg/kg dry	224	114	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 443		µg/kg dry	443	91.9	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 224		µg/kg dry	224	91.5	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 443		µg/kg dry	443	77.9	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 224		µg/kg dry	224	79.3	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 443		µg/kg dry	443	83.2	1	"	"	"	"	"	X
218-01-9	Chrysene	< 89.6		µg/kg dry	89.6	21.9	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 89.6		µg/kg dry	89.6	16.5	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 224		µg/kg dry	224	16.5	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 443		µg/kg dry	443	74.5	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 443		µg/kg dry	443	78.7	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 443		µg/kg dry	443	73.4	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 443		µg/kg dry	443	90.0	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 224		µg/kg dry	224	76.3	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 443		µg/kg dry	443	92.5	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 443		µg/kg dry	443	87.3	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 443		µg/kg dry	443	76.0	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 443		µg/kg dry	443	99.5	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 443		µg/kg dry	443	118	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 443		µg/kg dry	443	117	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 224		µg/kg dry	224	92.4	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 224		µg/kg dry	224	87.0	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 443		µg/kg dry	443	95.7	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 89.6		µg/kg dry	89.6	22.5	1	"	"	"	"	"	X
86-73-7	Fluorene	< 89.6		µg/kg dry	89.6	21.5	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 224		µg/kg dry	224	98.0	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 224		µg/kg dry	224	71.3	1	"	"	"	"	"	X

Sample Identification		Client Project #	Matrix	Collection Date/Time	Received
SB-17-2.5-3.5		2150606	Soil	29-Apr-15 13:05	02-May-15
SC06877-11					

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
77-47-4	Hexachlorocyclopentadiene	< 224		µg/kg dry	224	81.8	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
67-72-1	Hexachloroethane	< 224		µg/kg dry	224	86.1	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 89.6		µg/kg dry	89.6	18.3	1	"	"	"	"	"	X
78-59-1	Isophorone	< 224		µg/kg dry	224	78.3	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 89.6		µg/kg dry	89.6	18.5	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 443		µg/kg dry	443	79.5	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 443		µg/kg dry	443	99.8	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 89.6		µg/kg dry	89.6	18.3	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 443		µg/kg dry	443	88.8	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 443		µg/kg dry	443	106	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 224		µg/kg dry	224	128	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 224		µg/kg dry	224	87.0	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 224		µg/kg dry	224	74.3	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1770		µg/kg dry	1770	120	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 224		µg/kg dry	224	95.4	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 443		µg/kg dry	443	104	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 443		µg/kg dry	443	105	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 89.6		µg/kg dry	89.6	21.9	1	"	"	"	"	"	X
108-95-2	Phenol	< 443		µg/kg dry	443	80.7	1	"	"	"	"	"	X
129-00-0	Pyrene	< 89.6		µg/kg dry	89.6	19.1	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 443		µg/kg dry	443	70.5	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 443		µg/kg dry	443	91.7	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*64*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*70*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*75*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*76*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*66*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*65*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.94		mg/kg dry	1.94	0.142	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**89.8**		mg/kg dry	1.94	0.313	1	"	"	"	"	"	X
7440-39-3	Barium	**41.4**		mg/kg dry	1.29	0.0767	1	"	"	"	"	"	X
7440-43-9	Cadmium	**14.0**		mg/kg dry	0.646	0.0207	1	"	"	"	"	"	X
7440-47-3	Chromium	**5.36**		mg/kg dry	1.29	0.123	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.232**		mg/kg dry	0.0378	0.0025	1	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**291**		mg/kg dry	1.94	0.357	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 3.10	R01	mg/kg dry	3.10	0.485	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-2.5-3.5 SC06877-11	2150606	Soil	29-Apr-15 13:05	02-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	**74.0**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-6-8 SC06877-12	2150606	Soil	29-Apr-15 13:10	02-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 75.1		µg/kg dry	75.1	17.5	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
208-96-8	Acenaphthylene	< 75.1		µg/kg dry	75.1	15.9	1	"	"	"	"	"	X
120-12-7	Anthracene	< 75.1		µg/kg dry	75.1	17.2	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 75.1		µg/kg dry	75.1	15.5	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 75.1		µg/kg dry	75.1	15.6	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 75.1		µg/kg dry	75.1	17.1	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 75.1		µg/kg dry	75.1	16.3	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 75.1		µg/kg dry	75.1	17.1	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 371		µg/kg dry	371	67.8	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 188		µg/kg dry	188	67.6	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 188		µg/kg dry	188	67.5	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 188		µg/kg dry	188	92.7	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 371		µg/kg dry	371	75.1	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 371		µg/kg dry	371	82.3	1	"	"	"	"	"	X
86-74-8	Carbazole	< 188		µg/kg dry	188	95.5	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 371		µg/kg dry	371	77.0	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 188		µg/kg dry	188	76.7	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 371		µg/kg dry	371	65.3	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 188		µg/kg dry	188	66.4	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 371		µg/kg dry	371	69.8	1	"	"	"	"	"	X
218-01-9	Chrysene	< 75.1		µg/kg dry	75.1	18.3	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 75.1		µg/kg dry	75.1	13.8	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 188		µg/kg dry	188	13.8	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 371		µg/kg dry	371	62.4	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 371		µg/kg dry	371	66.0	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 371		µg/kg dry	371	61.5	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 371		µg/kg dry	371	75.4	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 188		µg/kg dry	188	63.9	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 371		µg/kg dry	371	77.5	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 371		µg/kg dry	371	73.2	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 371		µg/kg dry	371	63.7	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 371		µg/kg dry	371	83.4	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 371		µg/kg dry	371	98.8	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 371		µg/kg dry	371	97.8	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 188		µg/kg dry	188	77.4	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 188		µg/kg dry	188	72.9	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 371		µg/kg dry	371	80.2	1	"	"	"	"	"	X
206-44-0	Fluoranthene	**104**		µg/kg dry	75.1	18.9	1	"	"	"	"	"	X
86-73-7	Fluorene	< 75.1		µg/kg dry	75.1	18.0	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 188		µg/kg dry	188	82.1	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 188		µg/kg dry	188	59.8	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-6-8 SC06877-12	2150606	Soil	29-Apr-15 13:10	02-May-15

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds
Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
77-47-4	Hexachlorocyclopentadiene	< 188		µg/kg dry	188	68.5	1	SW846 8270D	05-May-15	10-May-15	MSL	1508622	X
67-72-1	Hexachloroethane	< 188		µg/kg dry	188	72.2	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 75.1		µg/kg dry	75.1	15.4	1	"	"	"	"	"	X
78-59-1	Isophorone	< 188		µg/kg dry	188	65.6	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 75.1		µg/kg dry	75.1	15.5	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 371		µg/kg dry	371	66.6	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 371		µg/kg dry	371	83.6	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 75.1		µg/kg dry	75.1	15.3	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 371		µg/kg dry	371	74.5	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 371		µg/kg dry	371	88.9	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 188		µg/kg dry	188	107	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 188		µg/kg dry	188	72.9	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 188		µg/kg dry	188	62.2	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 1490		µg/kg dry	1490	100	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 188		µg/kg dry	188	80.0	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 371		µg/kg dry	371	87.4	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 371		µg/kg dry	371	88.4	1	"	"	"	"	"	X
85-01-8	Phenanthrene	**75.8**		µg/kg dry	75.1	18.3	1	"	"	"	"	"	X
108-95-2	Phenol	< 371		µg/kg dry	371	67.6	1	"	"	"	"	"	X
129-00-0	Pyrene	**91.5**		µg/kg dry	75.1	16.0	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 371		µg/kg dry	371	59.1	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 371		µg/kg dry	371	76.8	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*54*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*56*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*63*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*62*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*51*			*30-130 %*			"	"	"	"	"	

Tentatively Identified Compounds
Prepared by method SW846 3545A

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	

Total Metals by EPA 6000/7000 Series Methods

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
7440-22-4	Silver	< 1.61		mg/kg dry	1.61	0.118	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**14.7**		mg/kg dry	1.61	0.261	1	"	"	"	"	"	X
7440-39-3	Barium	**101**		mg/kg dry	1.08	0.0639	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.538		mg/kg dry	0.538	0.0172	1	"	"	"	"	"	X
7440-47-3	Chromium	**10.3**		mg/kg dry	1.08	0.103	1	"	"	"	"	"	X
7439-97-6	Mercury	**1.01**	D, GS1	mg/kg dry	0.156	0.0102	5	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**251**		mg/kg dry	1.61	0.297	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 2.10	R01	mg/kg dry	2.10	0.404	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-17-6-8 SC06877-12	2150606	Soil	29-Apr-15 13:10	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General Chemistry Parameters													
	% Solids	88.2		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

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* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-1-3	2150606	Soil	29-Apr-15 14:40	02-May-15
SC06877-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	**Field extracted**		N/A			1	VOC Soil Extraction			DT	1508570	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.36 g						
67-64-1	Acetone	**105**		µg/kg dry	44.9	30.0	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
71-43-2	Benzene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 4.5		µg/kg dry	4.5	3.0	1	"	"	"	"	"	X
75-25-2	Bromoform	< 4.5		µg/kg dry	4.5	4.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 9.0		µg/kg dry	9.0	2.6	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 44.9		µg/kg dry	44.9	5.4	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 4.5		µg/kg dry	4.5	1.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 4.5		µg/kg dry	4.5	3.5	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 4.5		µg/kg dry	4.5	3.0	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 9.0		µg/kg dry	9.0	2.8	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 4.5		µg/kg dry	4.5	3.7	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 4.5		µg/kg dry	4.5	0.7	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 9.0		µg/kg dry	9.0	2.5	1	"	"	"	"	"	X
67-66-3	Chloroform	< 4.5		µg/kg dry	4.5	1.5	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 9.0		µg/kg dry	9.0	1.9	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 4.5		µg/kg dry	4.5	3.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 4.5		µg/kg dry	4.5	0.9	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 4.5		µg/kg dry	4.5	1.1	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.0		µg/kg dry	9.0	1.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 4.5		µg/kg dry	4.5	2.9	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 4.5		µg/kg dry	4.5	1.1	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 4.5		µg/kg dry	4.5	3.4	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 4.5		µg/kg dry	4.5	1.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 4.5		µg/kg dry	4.5	2.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 4.5		µg/kg dry	4.5	2.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 4.5		µg/kg dry	4.5	2.7	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 4.5		µg/kg dry	4.5	2.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 44.9		µg/kg dry	44.9	4.9	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 4.5		µg/kg dry	4.5	0.9	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 4.5		µg/kg dry	4.5	4.2	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 4.5		µg/kg dry	4.5	1.7	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 44.9		µg/kg dry	44.9	8.5	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 9.0	O01	µg/kg dry	9.0	1.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 4.5		µg/kg dry	4.5	4.1	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 4.5		µg/kg dry	4.5	4.4	1	"	"	"	"	"	X
100-42-5	Styrene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5		µg/kg dry	4.5	3.8	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 4.5		µg/kg dry	4.5	1.7	1	"	"	"	"	"	X
108-88-3	Toluene	< 4.5		µg/kg dry	4.5	1.0	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-19-1-3	2150606	Soil	29-Apr-15 14:40	02-May-15
SC06877-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.36 g						
71-55-6	1,1,1-Trichloroethane	< 4.5		µg/kg dry	4.5	1.2	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
79-00-5	1,1,2-Trichloroethane	< 4.5		µg/kg dry	4.5	3.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.5		µg/kg dry	4.5	2.4	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	**11.1**		µg/kg dry	4.5	1.1	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**64.9**		µg/kg dry	4.5	1.3	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 4.5		µg/kg dry	4.5	1.6	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 9.0		µg/kg dry	9.0	0.9	1	"	"	"	"	"	X
95-47-6	o-Xylene	**10.0**		µg/kg dry	4.5	1.0	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*113*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.36 g						
108-05-4	Vinyl acetate	< 44.9		µg/kg dry	44.9	9.4	1	"	05-May-15	"	"	1508644	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*123*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*113*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.36 g						
054965-05-8	Cyclohexane, 1,1,3-trimethyl-	**996**	TIC	µg/kg dry			1	SW846 8260C TICs	05-May-15	"	SJB	1508642	
	Cyclohexane, 1,1-dimethyl-	**219**	TIC	µg/kg dry			1	"	"	"	"	"	
	Cyclohexane, 1,2,4-trimethy...	**396**	TIC	µg/kg dry			1	"	"	"	"	"	
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	**259**	TIC	µg/kg dry			1	"	"	"	"	"	
006876-23-9	Cyclohexane, 1,2-dimethyl-,...	**420**	TIC	µg/kg dry			1	"	"	"	"	"	
General Chemistry Parameters													
	% Solids	**94.1**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification
SB-20-7-8
SC06877-17

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	29-Apr-15 17:00	02-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.78		mg/kg dry	1.78	0.131	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**5.21**		mg/kg dry	1.78	0.288	1	"	"	"	"	"	X
7440-39-3	Barium	**58.1**		mg/kg dry	1.19	0.0707	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.595		mg/kg dry	0.595	0.0190	1	"	"	"	"	"	X
7440-47-3	Chromium	**9.69**		mg/kg dry	1.19	0.114	1	"	"	"	"	"	X
7439-97-6	Mercury	< 0.0354		mg/kg dry	0.0354	0.0023	1	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**9.13**		mg/kg dry	1.78	0.328	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 1.78		mg/kg dry	1.78	0.447	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**82.7**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23-17-18	2150606	Soil	30-Apr-15 14:40	02-May-15
SC06877-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 5.61 g							
67-64-1	Acetone	< 73.3		µg/kg dry	73.3	49.0	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
71-43-2	Benzene	< 7.3		µg/kg dry	7.3	1.3	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 7.3		µg/kg dry	7.3	4.9	1	"	"	"	"	"	X
75-25-2	Bromoform	< 7.3		µg/kg dry	7.3	7.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 14.7		µg/kg dry	14.7	4.2	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 73.3		µg/kg dry	73.3	8.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 7.3		µg/kg dry	7.3	2.1	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 7.3		µg/kg dry	7.3	5.7	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 7.3		µg/kg dry	7.3	4.8	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 14.7		µg/kg dry	14.7	4.5	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 7.3		µg/kg dry	7.3	6.0	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 7.3		µg/kg dry	7.3	1.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 14.7		µg/kg dry	14.7	4.1	1	"	"	"	"	"	X
67-66-3	Chloroform	< 7.3		µg/kg dry	7.3	2.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 14.7		µg/kg dry	14.7	3.0	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 7.3		µg/kg dry	7.3	5.0	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 7.3		µg/kg dry	7.3	1.3	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 7.3		µg/kg dry	7.3	1.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 7.3		µg/kg dry	7.3	1.8	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 14.7		µg/kg dry	14.7	2.5	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 7.3		µg/kg dry	7.3	4.7	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 7.3		µg/kg dry	7.3	1.8	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 7.3		µg/kg dry	7.3	5.5	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 7.3		µg/kg dry	7.3	2.7	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 7.3		µg/kg dry	7.3	3.9	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 7.3		µg/kg dry	7.3	3.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 7.3		µg/kg dry	7.3	4.4	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 7.3		µg/kg dry	7.3	3.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 7.3		µg/kg dry	7.3	1.3	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 73.3		µg/kg dry	73.3	8.0	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 7.3		µg/kg dry	7.3	1.4	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 7.3		µg/kg dry	7.3	6.9	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 7.3		µg/kg dry	7.3	2.8	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 73.3		µg/kg dry	73.3	13.8	1	"	"	"	"	"	X
75-09-2	Methylene chloride	**16.9**	O01	µg/kg dry	14.7	2.1	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 7.3		µg/kg dry	7.3	6.7	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 7.3		µg/kg dry	7.3	7.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 7.3		µg/kg dry	7.3	1.3	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 7.3		µg/kg dry	7.3	6.2	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 7.3		µg/kg dry	7.3	2.8	1	"	"	"	"	"	X
108-88-3	Toluene	< 7.3		µg/kg dry	7.3	1.7	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-23-17-18	2150606	Soil	30-Apr-15 14:40	02-May-15
SC06877-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.61 g						
71-55-6	1,1,1-Trichloroethane	< 7.3		µg/kg dry	7.3	1.9	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
79-00-5	1,1,2-Trichloroethane	< 7.3		µg/kg dry	7.3	5.3	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 7.3		µg/kg dry	7.3	1.3	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 7.3		µg/kg dry	7.3	4.0	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 7.3		µg/kg dry	7.3	1.8	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 7.3		µg/kg dry	7.3	2.1	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 7.3		µg/kg dry	7.3	2.7	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 14.7		µg/kg dry	14.7	1.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 7.3		µg/kg dry	7.3	1.6	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.61 g						
108-05-4	Vinyl acetate	< 73.3		µg/kg dry	73.3	15.4	1	"	05-May-15	"	"	1508644	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*108*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 5.61 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	05-May-15	"	SJB	1508642	
General Chemistry Parameters													
	% Solids	**76.7**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-5-6	2150606	Soil	30-Apr-15 11:30	02-May-15
SC06877-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 1.66		mg/kg dry	1.66	0.122	1	SW846 6010C	08-May-15	09-May-15	EDT	1508923	X
7440-38-2	Arsenic	**8.64**		mg/kg dry	1.66	0.269	1	"	"	"	"	"	X
7440-39-3	Barium	**92.1**		mg/kg dry	1.11	0.0658	1	"	"	"	"	"	X
7440-43-9	Cadmium	< 0.554		mg/kg dry	0.554	0.0177	1	"	"	"	"	"	X
7440-47-3	Chromium	**12.1**		mg/kg dry	1.11	0.106	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.411**		mg/kg dry	0.0350	0.0023	1	SW846 7471B	"	11-May-15	YR	1508924	X
7439-92-1	Lead	**85.5**		mg/kg dry	1.66	0.306	1	SW846 6010C	"	09-May-15	EDT	1508923	X
7782-49-2	Selenium	< 1.66		mg/kg dry	1.66	0.416	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**80.1**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-19-20 SC06877-22	2150606	Soil	30-Apr-15 13:20	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)						Initial weight: 4.55 g							
67-64-1	Acetone	< 64.8		µg/kg dry	64.8	43.3	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
71-43-2	Benzene	< 6.5		µg/kg dry	6.5	1.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 6.5		µg/kg dry	6.5	4.3	1	"	"	"	"	"	X
75-25-2	Bromoform	< 6.5		µg/kg dry	6.5	6.2	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 13.0		µg/kg dry	13.0	3.7	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 64.8		µg/kg dry	64.8	7.8	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 6.5		µg/kg dry	6.5	1.9	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 6.5		µg/kg dry	6.5	5.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 6.5		µg/kg dry	6.5	4.3	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 13.0		µg/kg dry	13.0	4.0	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 6.5		µg/kg dry	6.5	5.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 6.5		µg/kg dry	6.5	1.0	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 13.0		µg/kg dry	13.0	3.6	1	"	"	"	"	"	X
67-66-3	Chloroform	< 6.5		µg/kg dry	6.5	2.1	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 13.0		µg/kg dry	13.0	2.7	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 6.5		µg/kg dry	6.5	4.4	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 6.5		µg/kg dry	6.5	1.1	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 6.5		µg/kg dry	6.5	1.3	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 6.5		µg/kg dry	6.5	1.6	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 13.0		µg/kg dry	13.0	2.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 6.5		µg/kg dry	6.5	4.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 6.5		µg/kg dry	6.5	1.6	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 6.5		µg/kg dry	6.5	4.9	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 6.5		µg/kg dry	6.5	2.4	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 6.5		µg/kg dry	6.5	3.4	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 6.5		µg/kg dry	6.5	3.4	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 6.5		µg/kg dry	6.5	3.9	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 6.5		µg/kg dry	6.5	3.4	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 6.5		µg/kg dry	6.5	1.1	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 64.8		µg/kg dry	64.8	7.1	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 6.5		µg/kg dry	6.5	1.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 6.5		µg/kg dry	6.5	6.1	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 6.5		µg/kg dry	6.5	2.5	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 64.8		µg/kg dry	64.8	12.2	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 13.0	O01	µg/kg dry	13.0	1.9	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 6.5		µg/kg dry	6.5	5.9	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 6.5		µg/kg dry	6.5	6.3	1	"	"	"	"	"	X
100-42-5	Styrene	< 6.5		µg/kg dry	6.5	1.1	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 6.5		µg/kg dry	6.5	5.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 6.5		µg/kg dry	6.5	2.5	1	"	"	"	"	"	X
108-88-3	Toluene	< 6.5		µg/kg dry	6.5	1.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-22-19-20 SC06877-22	2150606	Soil	30-Apr-15 13:20	02-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 4.55 g						
71-55-6	1,1,1-Trichloroethane	< 6.5		µg/kg dry	6.5	1.7	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
79-00-5	1,1,2-Trichloroethane	< 6.5		µg/kg dry	6.5	4.7	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 6.5		µg/kg dry	6.5	1.1	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 6.5		µg/kg dry	6.5	3.5	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 6.5		µg/kg dry	6.5	1.6	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 6.5		µg/kg dry	6.5	1.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 6.5		µg/kg dry	6.5	2.4	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 13.0		µg/kg dry	13.0	1.3	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 6.5		µg/kg dry	6.5	1.4	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6 g						
108-05-4	Vinyl acetate	< 50.2		µg/kg dry	50.2	10.5	1	"	05-May-15	"	"	1508644	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*108*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*112*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 4.55 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	05-May-15	"	SJB	1508642	
General Chemistry Parameters													
	% Solids	**91.5**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25-20-24	2150606	Soil	01-May-15 11:00	02-May-15
SC06877-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6 g						
67-64-1	Acetone	< 52.8		µg/kg dry	52.8	35.3	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
71-43-2	Benzene	< 5.3		µg/kg dry	5.3	1.0	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 5.3		µg/kg dry	5.3	3.5	1	"	"	"	"	"	X
75-25-2	Bromoform	< 5.3		µg/kg dry	5.3	5.0	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 10.6		µg/kg dry	10.6	3.0	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 52.8		µg/kg dry	52.8	6.3	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 5.3		µg/kg dry	5.3	1.5	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 5.3		µg/kg dry	5.3	4.1	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 5.3		µg/kg dry	5.3	3.5	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 10.6		µg/kg dry	10.6	3.2	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 5.3		µg/kg dry	5.3	4.3	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 5.3		µg/kg dry	5.3	0.8	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 10.6		µg/kg dry	10.6	2.9	1	"	"	"	"	"	X
67-66-3	Chloroform	< 5.3		µg/kg dry	5.3	1.8	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 10.6		µg/kg dry	10.6	2.2	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 5.3		µg/kg dry	5.3	3.6	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 5.3		µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 5.3		µg/kg dry	5.3	1.1	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 5.3		µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.6		µg/kg dry	10.6	1.8	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 5.3		µg/kg dry	5.3	3.4	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 5.3		µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 5.3		µg/kg dry	5.3	4.0	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 5.3		µg/kg dry	5.3	1.9	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 5.3		µg/kg dry	5.3	3.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 5.3		µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 52.8		µg/kg dry	52.8	5.8	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 5.3		µg/kg dry	5.3	1.0	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 5.3		µg/kg dry	5.3	5.0	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 5.3		µg/kg dry	5.3	2.0	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 52.8		µg/kg dry	52.8	9.9	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 10.6	O01	µg/kg dry	10.6	1.5	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 5.3		µg/kg dry	5.3	4.8	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 5.3		µg/kg dry	5.3	5.1	1	"	"	"	"	"	X
100-42-5	Styrene	< 5.3		µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 5.3		µg/kg dry	5.3	4.5	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 5.3		µg/kg dry	5.3	2.0	1	"	"	"	"	"	X
108-88-3	Toluene	< 5.3		µg/kg dry	5.3	1.2	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SB-25-20-24	2150606	Soil	01-May-15 11:00	02-May-15
SC06877-24				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6 g						
71-55-6	1,1,1-Trichloroethane	< 5.3		µg/kg dry	5.3	1.4	1	SW846 8260C	05-May-15	05-May-15	SJB	1508642	X
79-00-5	1,1,2-Trichloroethane	< 5.3		µg/kg dry	5.3	3.8	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 5.3		µg/kg dry	5.3	0.9	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	X
95-63-6	1,2,4-Trimethylbenzene	< 5.3		µg/kg dry	5.3	1.3	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 5.3		µg/kg dry	5.3	1.5	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 5.3		µg/kg dry	5.3	1.9	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 10.6		µg/kg dry	10.6	1.0	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 5.3		µg/kg dry	5.3	1.1	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*105*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*106*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6.28 g						
108-05-4	Vinyl acetate	< 50.7		µg/kg dry	50.7	10.6	1	"	05-May-15	"	"	1508644	
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*106*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*111*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5035A Soil (low level)							Initial weight: 6 g						
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8260C TICs	05-May-15	"	SJB	1508642	
General Chemistry Parameters													
	% Solids	**89.2**		%			1	SM2540 G Mod.	04-May-15	04-May-15	DT	1508564	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC06877-27	2150606	Aqueous	01-May-15 00:00	02-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 10.0		µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.5		µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.0		µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.0		µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.0		µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.0		µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.5		µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.0		µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.0		µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.5		µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.0		µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.0		µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC06877-27	2150606	Aqueous	01-May-15 00:00	02-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.0		µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 1.0		µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.0		µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.0		µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.0		µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 10.0		µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

The following list indicates the date and time low-level VOC soil/sediment samples were placed in the freezer at the lab:

SC06877-09	*SB-16-7-8*	5/2/2015 11:30 AM	*
SC06877-15	*SB-19-1-3*	5/2/2015 11:30 AM	*
SC06877-20	*SB-23-17-18*	5/2/2015 11:30 AM	
SC06877-22	*SB-22-19-20*	5/2/2015 11:30 AM	
SC06877-24	*SB-25-20-24*	5/2/2015 11:30 AM	

* Freezing of low-level vial prior to laboratory submittal cannot be confirmed

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
O01	This compound is a common laboratory contaminant.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
R01	The Reporting Limit has been raised to account for matrix interference.
TIC	(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor

SC06877 By

SPECTRUM ANALYTICAL, INC.
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Page 1 of 3

CHAIN OF CUSTODY RECORD

☐ 11 Almgren Drive, Agawam, MA 01001, (413) 789-9018
☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:
TAT- Indicate Date Needed: 5 Day
· All TATs subject to laboratory approval.
Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aguilina, aaguilina@labellapc.com
LaBella Associates
500 State St Rochester NY 14614
Telephone #: 585 ~~##~~ 295-6110
Project Mgr. Dan Noll

Invoice To: Michelle Clausen
←

P.O. No.: 2150606 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aguilina

$1=Na_2S_2O_3$ 2=HCl $3=H_2SO_4$ $4=HNO_3$ 5=NaOH 6=Ascorbic Acid $7=CH_3OH$
$8=NaHSO_4$ 9=Deionized Water $10=H_3PO_4$ 11= 12=

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

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other

State-specific reporting standards: ASP Cat. B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		TCL+CP51 VOC + 10 TICs	TCL+CP51 SVOC + 10 TICs	RCRA metals	Cyanide	PCB	Pesticide	
SC06877-01	SB-10-4-5	4/28/15	1100	G	SO		2						X				
02	SB-11-7-8	4/28/15	1320				2					X	X	X			HOLD
03	SB-11-10-11	4/28/15	1340			3	2				X						HOLD
04	SB-12-9-10.3	4/28/15	1425					1					X				HOLD
05	SB-13-4-5	4/28/15	1520				2						X				HOLD
06	SB-13-12-13.7	4/28/15	1550			3	1			X			X				HOLD
07	SB-14A-8-9	4/28/15	1700				2						X				HOLD
08	SB-15-2-3	4/29/15	1120				6					X	X				MS/MSD
09	SB-16-7-8	4/29/15	1200			3	1	1			X	X	X	X	X	X	
10	SB-16-19-20	4/29/15	1230			3	1				X						HOLD

Relinquished by:	Received by:	Date:	Time:	Temp°C
Ann Aguilina	Fed Ex	5/1/15	1800	5.6
Fed Ex	[illegible]	5/2/15	1130	-1
				4.6
				01

☒ EDD Format EQuIS
☐ E-mail to

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Revised Feb 2013

SC06877 BJ

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Page 2 of 5

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☐ 8405 Benjamin Road, Ste A, Tampa, FL 33634, (813) 888-9507
☐ 646 Camp Avenue, N Kingstown, RI 02852, (401) 732-3400

Special Handling:

TAT- Ind icate Date Needed: 5 Day

- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
300 State St
Rochester NY 14614
Telephone #: 585-295-6610
Project Mgr. Dan Noll

Invoice To: Michelle Clausen
←
P.O. No.: 2150604 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

$1=Na_2S_2O_3$ 2=HCl $3=H_2SO_4$ $4=HNO_3$ 5=NaOH 6=Ascorbic Acid $7=CH_3OH$
$8=NaHSO_4$ 9=Deionized Water $10=H_3PO_4$ 11= 12=

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

G=Grab C=Composite

List preservative code below:

QA/QC Reporting Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other

State-specific reporting standards: ASP Cat. B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	CP51 + TCL VOC + 10 TICS	CP51 TCL SVOC + 10 TICS	RCRA metals	Cyanide	PCB	Pesticide	
SC06877-11	SB-17-2.5-3.5	4/29/15	1305	G	SO			1			X	X				
12	SB-17-6-8		1310	G	SO		1	1			X	X				
13	SB-17-19-20		1350	G	SO	3	1			X						HOLD
14	SB-18-3-4		1410	G	SO			1			X	X				HOLD
15	SB-19-1-3		1440	G	SO	3	3			X						
16	SB-19-17-19		1550	G	SO	3	1			X						HOLD
17	SB-20-7-8		1700	G	SO		1	1				X				
18	SB-20-12-13.7		1720	G	SO	3	1			X						HOLD
19	SB-21-6-8	4/30/15	900	G	SO	3	2			X						HOLD
20	SB-23-17-18	4/30/15	1440	G	SO	3	1			X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
[signature]	Fed Ex	5/1/15	1800	5.6
FedEx	[signature]	5/2/15	1130	-1
				4.6
				01

☒ EDD Format EQUIS
☒ E-mail to aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC06877 8y

Spectrum Analytical, Inc.
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Page 3 of 3

CHAIN OF CUSTODY RECORD

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Special Handling:
TAT- Ind icate Date Needed: 5 DAY
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- Min. 24-hour notification needed for rushes.
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Report To: Dan Noll ~~…~~ dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
LaBella Associates
300 State St. Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr. Dan Noll

Invoice To: Michelle Clausen
P.O. No.: 2150606 RQN:

Project No.: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10=H_3PO_4 11= 12=

List preservative code below:

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

G=Grab C=Composite

QA/QC Reporting Notes:

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other

State-specific reporting standards: ASP Cat. B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOC TCP51 + 10 TICs	TCL+CP51 SVOs +10 TICs	RCRA metals	PCBs	Cyanide	Pesticides			
SC06877-21	SB-22-5-6'	4/30/15	1130	G	SO		2					X						
22	SB-22-19-20	4/30/15	1320	G	SO	3	1			X								
23	SB-24-6-7'	4/30/15	1500	G	SO			1				X						HOLD
24	SB-25-20-24	5/1/15	1100	G	SO	3	1			X								~~HOLD~~ AA
25	SB-26-1-3	5/1/15	1410	G	SO			1				X						HOLD
26	SB-26-22-24	5/1/15	1620	G	SO	3	1			X								HOLD
27	Trip Blank	5/1/15				2				X								

Relinquished by:	Received by:	Date:	Time:	Temp°C
Ann Aquilina	Fed Ex	5/1/15	1800	5.6
Fed Ex	[illegible]	5/2/15	1130	-1
				4.6
				0

☒ EDD Format EQUIS
☐ E-mail to aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express — *NEW Package US Airbill*

FedEx Tracking Number 8066 7882 8903

Form ID No. 0200 — Recipient's Copy

1 From [redacted]

Date 5/1/15

Sender's Name Ann Aquilina Phone 585 295 6289

Company LaBella Associates

Address 300 State St Dept./Floor/Suite/Room

City Rochester State NY ZIP 14614

2 Your Internal Billing Reference

3 To

Recipient's Name Spectrum Analytical Phone 413 789-9018

Company

Address 11 Almgren Drive Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Agawam State MA ZIP 01001

☐ HOLD Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

8066 7882 8903

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day	2 or 3 Business Days
☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.	☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☒ FedEx Box ☐ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options

☒ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. ☐

☐ Sender Acct. No. in Section 1 will be billed. ☐ Recipient ☐ Third Party ☒ Credit Card ☐ Cash/Check

[redacted]

Total Packages 1 Total Weight 51 lbs.

Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

644

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fedex.com 1.800.GoFedEx 1.800.463.3339

ORIGIN ID:ONHA

UNITED STATES US

SHIP DATE: 01MAY15
ACTWGT: 51.4 LB
CAD: /OFFC1601
DIMS: 24x14x14 IN

BILL SENDER

TO

SPECTRUM ANALYTICAL, INC.
11 AKMGREN DR

AGAWAM MA 01001
(413) 789-9018 REF:
INV:
PO: DEPT:

FedEx
Express

E

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0200 8066 7882 8903

XO EHTA

01001
MA-US BDL

Part # 156297-435 RIT2 02/15

Report Date:
15-May-15 16:18

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Labella Associates, P.C.
300 State Street Suite 201
Rochester, NY 14614
Attn: Dan Noll

Project: Corning Hospital, NY
Project #: 2150606

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC07069-04	Sump 1	Sump Water	05-May-15 10:30	07-May-15 09:05
SC07069-07	SB-35-0-4	Soil	05-May-15 11:45	07-May-15 09:05
SC07069-09	MW-08	Ground Water	05-May-15 15:15	07-May-15 09:05
SC07069-10	MW-12	Ground Water	05-May-15 15:50	07-May-15 09:05
SC07069-11	Blind Duplicate	Ground Water	05-May-15 00:00	07-May-15 09:05
SC07069-12	MW-03	Ground Water	06-May-15 07:40	07-May-15 09:05
SC07069-13	MW-04	Ground Water	06-May-15 09:20	07-May-15 09:05
SC07069-14	MW-09	Ground Water	06-May-15 10:40	07-May-15 09:05
SC07069-15	MW-10	Ground Water	06-May-15 11:10	07-May-15 09:05
SC07069-16	MW-05	Ground Water	06-May-15 12:00	07-May-15 09:05
SC07069-17	MW-06	Ground Water	06-May-15 12:35	07-May-15 09:05
SC07069-18	MW-07	Ground Water	06-May-15 11:00	07-May-15 09:05
SC07069-19	MW-13	Ground Water	06-May-15 12:25	07-May-15 09:05
SC07069-20	MW-11	Ground Water	06-May-15 08:15	07-May-15 09:05
SC07069-21	Trip Blank	Aqueous	06-May-15 00:00	07-May-15 09:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 43 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as “<” (less than) the detection limit in this report.

The samples were received 1.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

EPA 335.4 / SW846 9012B

Spikes:

1509372-MS1 *Source: SC07069-18*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cyanide (total)

1509372-MSD1 *Source: SC07069-18*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Cyanide (total)

SW846 6010C

Spikes:

1509214-MSD1 *Source: SC07069-07*

Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

Lead

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Lead

Duplicates:

1509214-DUP1 *Source: SC07069-07*

Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.

Silver

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Lead

1509546-DUP1 *Source: SC07069-07*

The Reporting Limit has been raised to account for matrix interference.

Selenium

Samples:

SW846 6010C

Samples:

SC07069-07 *SB-35-0-4*

The Reporting Limit has been raised to account for matrix interference.

Selenium

SW846 7471B

Spikes:

1509215-MS1 *Source: SC07069-07*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Mercury

1509215-MSD1 *Source: SC07069-07*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Mercury

1509215-PS1 *Source: SC07069-07*

The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

Mercury

Duplicates:

1509215-DUP1 *Source: SC07069-07*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

Samples:

SC07069-07 *SB-35-0-4*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SW846 8260C

Calibration:

1504013

Analyte quantified by quadratic equation type calibration.

Bromoform
Naphthalene

SW846 8260C

Calibration:

1504013

This affected the following samples:

1508958-BLK1
1508958-BS1
1508958-BSD1
1508958-MS1
1508958-MSD1
1509127-BLK1
1509127-BS1
1509127-BSD1
1509127-MS1
1509127-MSD1
Blind Duplicate
MW-03
MW-04
MW-05
MW-06
MW-07
MW-08
MW-09
MW-10
MW-11
MW-12
MW-13
S502844-ICV1
S504344-CCV1
S504445-CCV1
Sump 1
Trip Blank

Spikes:

1508958-MS1 *Source: SC07069-10*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Acetone
Bromomethane
Carbon disulfide
Chloromethane
Dichlorodifluoromethane (Freon12)
Tert-Butanol / butyl alcohol
Vinyl chloride

1508958-MSD1 *Source: SC07069-10*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Styrene

SW846 8260C

Spikes:

1508958-MSD1 *Source: SC07069-10*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Bromomethane
Carbon disulfide
Chloromethane
Dichlorodifluoromethane (Freon12)
Tert-Butanol / butyl alcohol
Vinyl chloride

1509127-MS1 *Source: SC07069-17*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2-Dibromo-3-chloropropane
Tert-Butanol / butyl alcohol

1509127-MSD1 *Source: SC07069-17*

The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

1,2,4-Trimethylbenzene

Samples:

S504344-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

1,2-Dibromo-3-chloropropane (-30.1%)
Bromodichloromethane (-20.9%)
Bromomethane (-37.6%)
Carbon disulfide (-25.0%)
Dichlorodifluoromethane (Freon12) (-22.7%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Bromoform (-23.6%)

This affected the following samples:

1508958-BLK1
1508958-BS1
1508958-BSD1
1508958-MS1
1508958-MSD1
Blind Duplicate
MW-03
MW-04
MW-05
MW-08
MW-09
MW-10
MW-12
Sump 1

S504445-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Bromomethane (-26.3%)

SW846 8260C

Samples:

S504445-CCV1

This affected the following samples:

1509127-BLK1
1509127-BS1
1509127-BSD1
1509127-MS1
1509127-MSD1
MW-06
MW-07
MW-11
MW-13
Trip Blank

SW846 8270D

Calibration:

1503056

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol

This affected the following samples:

1508810-BLK1
1508810-BS1
1508810-BSD1
MW-07
S502322-ICV1
S504372-CCV1
S504415-CCV1

Laboratory Control Samples:

1508810 BS/BSD

Phenol percent recoveries (29/32) are outside individual acceptance criteria (30-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

MW-07

1508810 BSD

Bis(2-ethylhexyl)phthalate RPD 39% (20%) is outside individual acceptance criteria.

Samples:

S504372-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Azobenzene/Diphenyldiazene (22.8%)
Benzo (b) fluoranthene (25.0%)
Bis(2-chloroisopropyl)ether (34.6%)
N-Nitrosodimethylamine (26.0%)

Analyte percent drift is outside individual acceptance criteria (20), but within overall method allowances.

Benzidine (-58.8%)

SW846 8270D

Samples:

S504372-CCV1

This affected the following samples:

1508810-BLK1
1508810-BS1
1508810-BSD1

S504415-CCV1

Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Benzo (b) fluoranthene (20.6%)
Bis(2-chloroisopropyl)ether (30.4%)
Pentachlorophenol (-22.7%)

This affected the following samples:

MW-07

Sample Acceptance Check Form

Client:	Labella Associates, P.C.
Project:	Corning Hospital, NY / 2150606
Work Order:	SC07069
Sample(s) received on:	5/7/2015

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☑	☐	☐
Were custody seals intact?	☑	☐	☐
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☐	☑	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Sump 1 SC07069-04	2150606	Sump Water	05-May-15 10:30	07-May-15

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260
Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**0.2**	J	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**24.4**		µg/l	1.0	0.4	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Sump 1 SC07069-04	2150606	Sump Water	05-May-15 10:30	07-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*94*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification
SB-35-0-4
SC07069-07

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	05-May-15 11:45	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	**0.299**	J	mg/kg dry	1.87	0.137	1	SW846 6010C	13-May-15	14-May-15	TBC	1509214	X
7440-38-2	Arsenic	**12.5**		mg/kg dry	1.87	0.302	1	"	"	"	"	"	X
7440-39-3	Barium	**274**		mg/kg dry	1.25	0.0740	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.513**	J	mg/kg dry	0.623	0.0199	1	"	"	"	"	"	X
7440-47-3	Chromium	**22.8**		mg/kg dry	1.25	0.119	1	"	"	"	"	"	X
7439-97-6	Mercury	**3.62**	GS1, D	mg/kg dry	0.771	0.0504	20	SW846 7471B	14-May-15	15-May-15	YR	1509215	X
7439-92-1	Lead	**435**		mg/kg dry	1.87	0.344	1	SW846 6010C	13-May-15	14-May-15	TBC	1509214	X
7782-49-2	Selenium	< 0.936	R01, U, D	mg/kg dry	3.74	0.936	2	"	"	15-May-15	"	1509546	X
General Chemistry Parameters													
	% Solids	**70.5**		%			1	SM2540 G Mod.	07-May-15	07-May-15	DT	1508853	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-08 SC07069-09	2150606	Ground Water	05-May-15 15:15	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	**0.6**	J	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**0.4**	J	µg/l	1.0	0.4	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-08 SC07069-09	2150606	Ground Water	05-May-15 15:15	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**0.7**	J	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-12 SC07069-10	2150606	Ground Water	05-May-15 15:50	07-May-15

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260
Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	5.2	J	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	1.1		µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	5.1		µg/l	1.0	0.4	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-12 SC07069-10	2150606	Ground Water	05-May-15 15:50	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*93*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*104*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification
Blind Duplicate
SC07069-11

Client Project #	Matrix	Collection Date/Time	Received
2150606	Ground Water	05-May-15 00:00	07-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**1.1**		µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**5.0**		µg/l	1.0	0.4	1	"	"	"	"	"	X

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Blind Duplicate SC07069-11	2150606	Ground Water	05-May-15 00:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*101*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*101*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-03 SC07069-12	2150606	Ground Water	06-May-15 07:40	07-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-03 SC07069-12	2150606	Ground Water	06-May-15 07:40	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*93*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*99*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-04	2150606	Ground Water	06-May-15 09:20	07-May-15
SC07069-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**0.6**	J	µg/l	1.0	0.4	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-04	2150606	Ground Water	06-May-15 09:20	07-May-15
SC07069-13				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-09 SC07069-14	2150606	Ground Water	06-May-15 10:40	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**0.7**	J	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**3.8**		µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-09 SC07069-14	2150606	Ground Water	06-May-15 10:40	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
75-37-6	Ethane, 1,1-difluoro-	**3.1**	TIC	µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-10	2150606	Ground Water	06-May-15 11:10	07-May-15
SC07069-15				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	**3.4**	J	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	**0.2**	J	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**2.2**		µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-10	2150606	Ground Water	06-May-15 11:10	07-May-15
SC07069-15				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*95*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*103*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-05	2150606	Ground Water	06-May-15 12:00	07-May-15
SC07069-16				

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260
Prepared by method SW846 5030 Water MS

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
67-64-1	Acetone	3.9	J	µg/l	10.0	2.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
71-43-2	Benzene	0.4	J	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	0.4	J	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	0.2	J	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	0.9	J	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	0.4	J	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	0.8	J	µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-05 SC07069-16	2150606	Ground Water	06-May-15 12:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-15	08-May-15	SJB	1508958	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*93*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-15	"	"	1508955	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*100*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*98*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	08-May-15	"	SJB	1508958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-06	2150606	Ground Water	06-May-15 12:35	07-May-15
SC07069-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260

Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	**13.8**		µg/l	10.0	2.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
71-43-2	Benzene	**2.8**		µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	**1.5**	J	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	**0.8**	J	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	**0.5**	J	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	**0.3**	J	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	**2.0**		µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	**2.0**		µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	**0.7**	J	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	**2.6**		µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	**6.4**		µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-06	2150606	Ground Water	06-May-15 12:35	07-May-15
SC07069-17				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
95-63-6	1,2,4-Trimethylbenzene	**13.3**		µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	**3.3**		µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	**7.8**		µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	**2.9**		µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*102*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15	"	"	1509128	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*103*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
95-93-2	Benzene, 1,2,4,5-tetramethyl-	**4.4**	TIC	µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	
933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	**3.4**	TIC	µg/l			1	"	"	"	"	"	
611-14-3	Benzene, 1-ethyl-2-methyl-	**4.4**	TIC	µg/l			1	"	"	"	"	"	
000620-14-4	Benzene, 1-ethyl-3-methyl-	**5.1**	TIC	µg/l			1	"	"	"	"	"	
622-96-8	Benzene, 1-ethyl-4-methyl-	**3.9**	TIC	µg/l			1	"	"	"	"	"	
000527-84-4	Benzene, 1-methyl-2-(1-meth...	**6.2**	TIC	µg/l			1	"	"	"	"	"	
001074-43-7	Benzene, 1-methyl-3-propyl-	**3.0**	TIC	µg/l			1	"	"	"	"	"	
000767-58-8	Indan, 1-methyl-	**3.2**	TIC	µg/l			1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-07	2150606	Ground Water	06-May-15 11:00	07-May-15
SC07069-18				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	**3.5**	J	µg/l	10.0	2.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	**0.4**	J	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**6.8**		µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**1.2**		µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	**0.3**	J	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**14.3**		µg/l	1.0	0.4	1	"	"	"	"	"	X

* Reportable Detection Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-07 SC07069-18	2150606	Ground Water	06-May-15 11:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	**0.3**	J	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15	"	"	1509128	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds													
Prepared by method SW846 3510C													
83-32-9	Acenaphthene	< 1.38	U	µg/l	5.21	1.38	1	SW846 8270D	07-May-15	10-May-15	MSL	1508810	X
208-96-8	Acenaphthylene	< 1.40	U	µg/l	5.21	1.40	1	"	"	"	"	"	X
120-12-7	Anthracene	< 1.46	U	µg/l	5.21	1.46	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 1.31	U	µg/l	5.21	1.31	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 1.38	U	µg/l	5.21	1.38	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 1.72	U	µg/l	5.21	1.72	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 1.55	U	µg/l	5.21	1.55	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 1.39	U	µg/l	5.21	1.39	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 1.27	U	µg/l	5.21	1.27	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 1.23	U	µg/l	5.21	1.23	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 1.19	U	µg/l	5.21	1.19	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 1.40	U	µg/l	5.21	1.40	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 1.40	U	µg/l	5.21	1.40	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 1.36	U	µg/l	5.21	1.36	1	"	"	"	"	"	X
86-74-8	Carbazole	< 1.99	U	µg/l	5.21	1.99	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 1.73	U	µg/l	5.21	1.73	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-07 SC07069-18	2150606	Ground Water	06-May-15 11:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3510C													
106-47-8	4-Chloroaniline	< 2.15	U	µg/l	5.21	2.15	1	SW846 8270D	07-May-15	10-May-15	MSL	1508810	X
91-58-7	2-Chloronaphthalene	< 1.70	U	µg/l	5.21	1.70	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 1.22	U	µg/l	5.21	1.22	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 1.38	U	µg/l	5.21	1.38	1	"	"	"	"	"	X
218-01-9	Chrysene	< 1.56	U	µg/l	5.21	1.56	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 1.60	U	µg/l	5.21	1.60	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 1.36	U	µg/l	5.21	1.36	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.23	U	µg/l	5.21	1.23	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.19	U	µg/l	5.21	1.19	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.19	U	µg/l	5.21	1.19	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 1.09	U	µg/l	5.21	1.09	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 1.35	U	µg/l	5.21	1.35	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 1.33	U	µg/l	5.21	1.33	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 1.43	U	µg/l	5.21	1.43	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 1.39	U	µg/l	5.21	1.39	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 1.61	U	µg/l	5.21	1.61	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 2.10	U	µg/l	5.21	2.10	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 2.01	U	µg/l	5.21	2.01	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 1.93	U	µg/l	5.21	1.93	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 1.51	U	µg/l	5.21	1.51	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 1.39	U	µg/l	5.21	1.39	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 1.62	U	µg/l	5.21	1.62	1	"	"	"	"	"	X
86-73-7	Fluorene	< 1.41	U	µg/l	5.21	1.41	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 1.42	U	µg/l	5.21	1.42	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 1.29	U	µg/l	5.21	1.29	1	"	"	"	"	"	X
77-47-4	Hexachlorocyclopentadiene	< 1.67	U	µg/l	5.21	1.67	1	"	"	"	"	"	X
67-72-1	Hexachloroethane	< 1.15	U	µg/l	5.21	1.15	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 1.81	U	µg/l	5.21	1.81	1	"	"	"	"	"	X
78-59-1	Isophorone	< 1.21	U	µg/l	5.21	1.21	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 1.49	U	µg/l	5.21	1.49	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 1.53	U	µg/l	5.21	1.53	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 1.93	U	µg/l	10.4	1.93	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 1.22	U	µg/l	5.21	1.22	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 1.76	U	µg/l	5.21	1.76	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 2.33	U	µg/l	5.21	2.33	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 2.30	U	µg/l	20.8	2.30	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 1.22	U	µg/l	5.21	1.22	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 1.39	U	µg/l	5.21	1.39	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 2.00	U	µg/l	20.8	2.00	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 1.48	U	µg/l	5.21	1.48	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 1.47	U	µg/l	5.21	1.47	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 2.47	U	µg/l	20.8	2.47	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-07 SC07069-18	2150606	Ground Water	06-May-15 11:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3510C													
85-01-8	Phenanthrene	< 1.43	U	µg/l	5.21	1.43	1	SW846 8270D	07-May-15	10-May-15	MSL	1508810	X
108-95-2	Phenol	< 2.15	U	µg/l	5.21	2.15	1	"	"	"	"	"	X
129-00-0	Pyrene	< 1.33	U	µg/l	5.21	1.33	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.14	U	µg/l	5.21	1.14	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 1.92	U	µg/l	5.21	1.92	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*39*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*27*			*15-110 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*42*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*20*			*15-110 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*53*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*44*			*15-110 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3510C													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls Prepared by method SW846 3510C													
12674-11-2	Aroclor-1016	< 0.118	U	µg/l	0.206	0.118	1	SW846 8082A	08-May-15	12-May-15	IMR	1508932	X
11104-28-2	Aroclor-1221	< 0.111	U	µg/l	0.206	0.111	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 0.129	U	µg/l	0.206	0.129	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 0.0804	U	µg/l	0.206	0.0804	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 0.116	U	µg/l	0.206	0.116	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 0.0773	U	µg/l	0.206	0.0773	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 0.0639	U	µg/l	0.206	0.0639	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 0.101	U	µg/l	0.206	0.101	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 0.140	U	µg/l	0.206	0.140	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*65*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*			"	"	"	"	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.0023	U	mg/l	0.0100	0.0023	1	SW846 6010C	14-May-15	14-May-15	EDT	1509280	X
7440-38-2	Arsenic	< 0.0054	U	mg/l	0.0080	0.0054	1	"	"	15-May-15	"	1509547	X
7440-39-3	Barium	**0.217**		mg/l	0.0100	0.0006	1	"	"	14-May-15	"	1509280	X
7440-43-9	Cadmium	< 0.0003	U	mg/l	0.0050	0.0003	1	"	"	"	"	"	X
7440-47-3	Chromium	**0.0049**	J	mg/l	0.0100	0.0021	1	"	"	"	"	"	X
7439-92-1	Lead	< 0.0039	U	mg/l	0.0150	0.0039	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-07 SC07069-18	2150606	Ground Water	06-May-15 11:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7782-49-2	Selenium	< 0.0071	U	mg/l	0.0300	0.0071	1	SW846 6010C	14-May-15	14-May-15	EDT	1509280	X
Total Metals by EPA 200 Series Methods													
7439-97-6	Mercury	< 0.00009	U	mg/l	0.00020	0.00009	1	EPA 245.1/7470A	14-May-15	15-May-15	YR	1509281	X
General Chemistry Parameters													
57-12-5	Cyanide (total)	**0.0161**		mg/l	0.00500	0.00442	1	EPA 335.4 / SW846 9012B	13-May-15	13-May-15	RLT	1509372	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-13 SC07069-19	2150606	Ground Water	06-May-15 12:25	07-May-15

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260
Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	**7.3**	J	µg/l	10.0	2.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	**0.3**	J	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**4.3**		µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**2.0**		µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**10.0**		µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-13 SC07069-19	2150606	Ground Water	06-May-15 12:25	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*92*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15	"	"	1509128	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*101*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*97*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-11	2150606	Ground Water	06-May-15 08:15	07-May-15
SC07069-20				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.

Volatile Organic Compounds

Volatile Organic Compounds by SW846 8260
Prepared by method SW846 5030 Water MS

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
67-64-1	Acetone	**3.0**	J	µg/l	10.0	2.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	**0.4**	J	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**0.6**	J	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	**1.6**		µg/l	1.0	0.4	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-11 SC07069-20	2150606	Ground Water	06-May-15 08:15	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*95*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15	"	"	1509128	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	

Sample Identification
Trip Blank
SC07069-21

Client Project #	Matrix	Collection Date/Time	Received
2150606	Aqueous	06-May-15 00:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"	"	"	"	"	X
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	X
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC07069-21	2150606	Aqueous	06-May-15 00:00	07-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
Prepared by method SW846 5030 Water MS													
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	X
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	X
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*98*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*91*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*			"	"	"	"	"	
Volatile Organic Compounds													
Prepared by method SW846 5030 Water MS													
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15	"	"	1509128	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*99*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*96*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	
Tentatively Identified Compounds by GC/MS													
Prepared by method SW846 5030 Water MS													
	Tentatively Identified Compounds	**None found**		µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM6	Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR5	RPD out of acceptance range.
QR8	Analyses are not controlled on RPD values from sample concentrations that are less than 5 times the reporting level. The batch is accepted based upon the difference between the sample and duplicate is less than or equal to the reporting limit.
R01	The Reporting Limit has been raised to account for matrix interference.
TIC	(Tentatively Identified Compounds) reported values are estimated concentrations of non-target analytes identified at greater than 10% of the nearest internal standard.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly LaPlante
Nicole Leja
Rebecca Merz

SC07069 By

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of ~~2~~ 3

Special Handling:

☐ Standard TAT - 7 to 10 business days
☑ Rush TAT - Date Needed: 5 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
300 State St
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Claussen
←
P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=Sump water X2= X3=

G= Grab C=Compsite

List Preservative Code below: 7,9 | 2

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL+CP51 VOC+TICS	RCRA metal	CP51+TCL VOC+TICS	Check if chlorinated	QA/QC Reporting Notes
SC07069-01	SB-27-24-25	5/5/15	900	G	SO	3	1			X			☐	HOLD
02	SB-28-3-8	5/5/15	1000		SO		1				X		☐	HOLD
03	SB-28-10-12	5/5/15	1010		SO	3	1			X			☐	HOLD
04	Sump 1	5/5/15	1030		X1	2				[illegible]		X	☐	
05	SB-30-4-8'	5/5/15	1100		SO		1				X		☐	HOLD
06	SB-34-0-4	5/5/15	1140		SO		1				X		☐	HOLD
07	SB-35-0-4	5/5/15	1148		SO		1				X		☐	
08	SB-31-12-14	5/5/15	1200		SO	3	1			X			☐	HOLD
09	MW-08	5/5/15	1515		GW	2						X	☐	
10	MW-12	5/5/15	1550		GW	6						X	☐	MS/MSD

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☑ Other: ASP Cat. B
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Ann Aquilina	FedEx	5/6/15	1400	Observed 2.3
FedEx	[illegible]	5/7/15	905	Correction Factor -1
				Corrected 1.3
				IR ID# 01

☑ EDD format: EQUIS
☑ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☑ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC07069 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of ~~2~~ 3

Special Handling:

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
300 State St
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
← SAME
P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below: 2

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		CP51 + TCL VOCs + TICs	CP51 SVOC + TICs	Pesticides	PCB	Metals RCRA				Check if chlorinated
SC07069-11	Blind Duplicate	5/5/15	—	G	GW	2					X								☐
12	MW-03	5/6/15	740	G	GW	2					X								☐
13	MW-04	5/6/15	920	G	GW	2					X								☐
14	MW-09	5/6/15	1040	G	GW	2					X								☐
15	MW-10	5/6/15	1110	G	GW	2					X								☐
16	MW-05	5/6/15	1200	G	GW	2					X								☐
17	MW-06	5/6/15	12:35	G	GW	2					X								☐
18	MW-07	5/6/15	1100	G	GW	2	2	4	2		X	X	X	X	X				☐
19	MW-13	5/6/15	1225	G	GW	2					X								☐
20	MW-11	5/6/15	815	G	GW	2					X								☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat. B
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
an [illegible]	Fed Ex	5/6/15	1400	Observed 2.3
[illegible] Fedx	[illegible]	5/7/15	905	Correction Factor -1
				Corrected 1.3
				IR ID # 01

☒ EDD format: EQuIS
☒ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC07069 By

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5 Day
All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll
Ann Aquilina
300 State St
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Cleeser

P.O No.: ~~215046~~ 215066
Quote/RQN:

Project No: 215066
Site Name: Corning Hospital
Location: Corning
State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat. B
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	CP 51 + TCS / VOCs + TICs								Check if chlorinated
SC07069-21	Trip Blank	5/6/15	-			2				X								☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐
																		☐

Relinquished by:	Received by:	Date:	Time:	Temp °C
[signature]	FedEx	5/6/15	1400	Observed 2.3
FedEx	[signature]	5/7/15	905	Correction Factor -1
				Corrected 1.3
				IR ID # 01

☒ EDD format: EQUIS
☒ E-mail to: Ann Aquilina

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

ANN AQUILINA
(585) 295-6289
THE UPS STORE #6273
110 N MAIN ST
HORSEHEADS NY 14845-2121

46 LBS 1 OF 1
SHP WT: 46 LBS
DATE: 06 MAY 2015

SHIP SPECTRUM ANALITICAL
TO: 11 ALMGREN DR

AGAWAM MA 01001-3831

MA 011 9-06

UPS EARLY A.M. 1+

TRACKING #: 1Z 186 801 15 0046 2395

BILLING: BILL RECEIVER

REF #1: NSD

ISH 13.00H ZZP 450 63.5V 04/2015

SC07069 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of ~~2~~ 3

Special Handling:

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
306 State St
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
←
P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

List Preservative Code below: 7,9 | 2

QA/QC Reporting Notes:
* additional charges may appply

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= Sump water X2= X3=

G= Grab C=Compsite

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat. B
State-specific reporting standards:

Lab ID	Sample ID	Date	Time	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL+CP51 VOC+TICs	RCRA metal	CP51+TCL VOC+TICs	Check if chlorinated	Notes
SC07069-01	SB-27-24-25	5/5/15	900	G	SO	3	1			X			☐	HOLD
02	SB-289-3-8	5/5/15	1000		SO		1				X		☐	HOLD ID changed per client. EnS/8
03	SB-28-10-12	5/5/15	1010		SO	3	1			X			☐	HOLD
04	Sump 1	5/5/15	1030		X1	2						X	☐	
05	SB-30-4-8'	5/5/15	1100		SO		1				X		☐	HOLD
06	SB-34-0-4	5/5/15	1140		SO		1				X		☐	HOLD
07	SB-35-0-4	5/5/15	1148		SO		1				X		☐	
08	SB-31-12-14	5/5/15	1200		SO	3	1			X			☐	HOLD
09	MW-08	5/5/15	1515		GW	2						X	☐	
10	MW-12	5/5/15	1550		GW	6						X	☐	MS/MSD

Relinquished by:	Received by:	Date:	Time:	Temp °C
Ann Aquilina	FedEx	5/6/15	1400	Observed 2.3
FedEx	[illegible]	5/7/15	905	Correction Factor -1
				Corrected 1.3
				IR ID# 01

☐ EDD format: EQUIS
☐ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SC07069 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Special Handling:

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
300 State St
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
← SAME
P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=____ 12=____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=____ X2=____ X3=____

G= Grab C=Compsite

List Preservative Code below: 2

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	CP51 + TCL VOCs + TICs	CP51 SVOC + TICs	~~Pesticides~~	PCB	Metals RCRA	Cyanide	Check if chlorinated
SC07069-11	Blind Duplicate	5/5/15	—	G	GW	2				X						☐
12	MW-03	5/6/15	740	G	GW	2				X						☐
13	MW-04	5/6/15	920	G	GW	2				X						☐
14	MW-09	5/6/15	1040	G	GW	2				X						☐
15	MW-10	5/6/15	1110	G	GW	2				X						☐
16	MW-05	5/6/15	1200	G	GW	2				X						☐
17	MW-06	5/6/15	1235	G	GW	2				X						☐
18	MW-07	5/6/15	1100	G	GW	2	2	#	2	X	X	~~X~~	X	X	X	☐
19	MW-13	5/6/15	1225	G	GW	2				X						☐
20	MW-11	5/6/15	815	G	GW	2				X						☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat. B
State-specific reporting standards:

added cyanide and cancelled pesticides per client request. Bm 5/8

Relinquished by:	Received by:	Date:	Time:	Temp °C
An C[illegible]	Fed Ex	5/6/15	1400	Observed 2.3
[illegible]	[illegible]	5/7/15	905	Correction Factor -1
				Corrected 1.3
				IR ID # 01

☒ EDD format: EQuIS
☒ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Report Date:
14-May-15 16:28

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.

Laboratory Report

Labella Associates, P.C.
300 State Street Suite 201
Rochester, NY 14614
Attn: Dan Noll

Project: Corning Hospital, NY
Project #: 2150606

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC07216-01	TP-04-2.5'	Soil	08-May-15 12:00	11-May-15 08:30
SC07216-02	TP-05-3'	Soil	08-May-15 12:45	11-May-15 08:30
SC07216-03	TP-07-3'	Soil	08-May-15 14:10	11-May-15 08:30
SC07216-04	TP-06-1.5'	Soil	08-May-15 13:15	11-May-15 08:30
SC07216-05	MW-07	Ground Water	08-May-15 09:00	11-May-15 08:30
SC07216-08	TP-02-5.5'	Soil	08-May-15 10:30	11-May-15 08:30
SC07216-09	TP-03-2'	Soil	08-May-15 11:20	11-May-15 08:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00098
USDA # S-51435

Authorized by:

Nicole Leja

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 26 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

CASE NARRATIVE:

Data has been reported to the MDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as “<” (less than) the detection limit in this report.

The samples were received 17.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 6010C

Spikes:

1509210-MS1 *Source: SC07216-04*

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Barium

1509210-MSD1 *Source: SC07216-04*

RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.

Silver

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Barium
Selenium
Silver

SW846 7471B

Spikes:

1509211-MS1 *Source: SC07216-04*

The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Mercury

Duplicates:

1509211-DUP1 *Source: SC07216-04*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.

Mercury

Samples:

SC07216-01 *TP-04-2.5'*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SW846 7471B

Samples:

SC07216-03 *TP-07-3'*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SC07216-04 *TP-06-1.5'*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SC07216-08 *TP-02-5.5'*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Mercury

SW846 8270D

Calibration:

1503056

Analyte quantified by quadratic equation type calibration.

2,4-Dinitrophenol
4,6-Dinitro-2-methylphenol
4-Nitrophenol

This affected the following samples:

S502322-ICV1

Samples:

SC07216-01 *TP-04-2.5'*

The Reporting Limit has been raised to account for matrix interference.

SW846 8270D TICS

Samples:

SC07216-01 *TP-04-2.5'*

The Reporting Limit has been raised to account for matrix interference.

Sample Acceptance Check Form

Client:	Labella Associates, P.C.
Project:	Corning Hospital, NY / 2150606
Work Order:	SC07216
Sample(s) received on:	5/11/2015

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☐	☑	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☑	☐	☐
Did sample container labels agree with Chain of Custody document?	☐	☑	☐
Were samples received within method-specific holding times?	☑	☐	☐

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-04-2.5' SC07216-01	2150606	Soil	08-May-15 12:00	11-May-15

Semivolatile Organic Compounds by GCMS

Semivolatile Organic Compounds
Prepared by method SW846 3545A — R01

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
83-32-9	Acenaphthene	< 89.8	U, D	µg/kg dry	385	89.8	5	SW846 8270D	12-May-15	12-May-15	MSL	1509247	X
208-96-8	Acenaphthylene	< 81.7	U, D	µg/kg dry	385	81.7	5	"	"	"	"	"	X
120-12-7	Anthracene	< 88.1	U, D	µg/kg dry	385	88.1	5	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	**135**	J, D	µg/kg dry	385	79.7	5	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	**131**	J, D	µg/kg dry	385	80.2	5	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	**162**	J, D	µg/kg dry	385	87.7	5	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 83.4	U, D	µg/kg dry	385	83.4	5	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 87.7	U, D	µg/kg dry	385	87.7	5	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 348	U, D	µg/kg dry	1900	348	5	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 346	U, D	µg/kg dry	964	346	5	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 346	U, D	µg/kg dry	964	346	5	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 476	U, D	µg/kg dry	964	476	5	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 385	U, D	µg/kg dry	1900	385	5	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 422	U, D	µg/kg dry	1900	422	5	"	"	"	"	"	X
86-74-8	Carbazole	< 490	U, D	µg/kg dry	964	490	5	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 395	U, D	µg/kg dry	1900	395	5	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 393	U, D	µg/kg dry	964	393	5	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 335	U, D	µg/kg dry	1900	335	5	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 341	U, D	µg/kg dry	964	341	5	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 358	U, D	µg/kg dry	1900	358	5	"	"	"	"	"	X
218-01-9	Chrysene	**133**	J, D	µg/kg dry	385	94.1	5	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 70.7	U, D	µg/kg dry	385	70.7	5	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 70.7	U, D	µg/kg dry	964	70.7	5	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 320	U, D	µg/kg dry	1900	320	5	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 338	U, D	µg/kg dry	1900	338	5	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 315	U, D	µg/kg dry	1900	315	5	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 387	U, D	µg/kg dry	1900	387	5	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 328	U, D	µg/kg dry	964	328	5	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 398	U, D	µg/kg dry	1900	398	5	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 375	U, D	µg/kg dry	1900	375	5	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 327	U, D	µg/kg dry	1900	327	5	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 428	U, D	µg/kg dry	1900	428	5	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 507	U, D	µg/kg dry	1900	507	5	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 502	U, D	µg/kg dry	1900	502	5	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 397	U, D	µg/kg dry	964	397	5	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 374	U, D	µg/kg dry	964	374	5	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 411	U, D	µg/kg dry	1900	411	5	"	"	"	"	"	X
206-44-0	Fluoranthene	**219**	J, D	µg/kg dry	385	96.7	5	"	"	"	"	"	X
86-73-7	Fluorene	< 92.2	U, D	µg/kg dry	385	92.2	5	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 421	U, D	µg/kg dry	964	421	5	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 307	U, D	µg/kg dry	964	307	5	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-04-2.5' SC07216-01	2150606	Soil	08-May-15 12:00	11-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A			R01										
77-47-4	Hexachlorocyclopentadiene	< 351	U, D	µg/kg dry	964	351	5	SW846 8270D	12-May-15	12-May-15	MSL	1509247	X
67-72-1	Hexachloroethane	< 370	U, D	µg/kg dry	964	370	5	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 78.7	U, D	µg/kg dry	385	78.7	5	"	"	"	"	"	X
78-59-1	Isophorone	< 336	U, D	µg/kg dry	964	336	5	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 79.4	U, D	µg/kg dry	385	79.4	5	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 342	U, D	µg/kg dry	1900	342	5	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 429	U, D	µg/kg dry	1900	429	5	"	"	"	"	"	X
91-20-3	Naphthalene	< 78.4	U, D	µg/kg dry	385	78.4	5	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 382	U, D	µg/kg dry	1900	382	5	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 456	U, D	µg/kg dry	1900	456	5	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 551	U, D	µg/kg dry	964	551	5	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 374	U, D	µg/kg dry	964	374	5	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 319	U, D	µg/kg dry	964	319	5	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 515	U, D	µg/kg dry	7620	515	5	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 410	U, D	µg/kg dry	964	410	5	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 448	U, D	µg/kg dry	1900	448	5	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 453	U, D	µg/kg dry	1900	453	5	"	"	"	"	"	X
85-01-8	Phenanthrene	**108**	J, D	µg/kg dry	385	94.0	5	"	"	"	"	"	X
108-95-2	Phenol	< 347	U, D	µg/kg dry	1900	347	5	"	"	"	"	"	X
129-00-0	Pyrene	**223**	J, D	µg/kg dry	385	82.0	5	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 303	U, D	µg/kg dry	1900	303	5	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 394	U, D	µg/kg dry	1900	394	5	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*79*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*89*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*80*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*88*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*79*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*85*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A			R01										
	Tentatively Identified Compounds	**None found**		µg/kg dry			5	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	**0.222**	J	mg/kg dry	1.71	0.125	1	SW846 6010C	12-May-15	14-May-15	BJW	1509210	X
7440-38-2	Arsenic	**7.93**		mg/kg dry	1.71	0.276	1	"	"	"	"	"	X
7440-39-3	Barium	**153**		mg/kg dry	1.14	0.0678	1	"	"	"	"	"	X
7440-43-9	Cadmium	**2.52**		mg/kg dry	0.570	0.0183	1	"	"	"	"	"	X
7440-47-3	Chromium	**13.5**		mg/kg dry	1.14	0.109	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.547**	GS1, D	mg/kg dry	0.0614	0.0040	2	SW846 7471B	"	13-May-15	YR	1509211	X
7439-92-1	Lead	**273**		mg/kg dry	1.71	0.315	1	SW846 6010C	"	14-May-15	BJW	1509210	X
7782-49-2	Selenium	**0.622**	J	mg/kg dry	1.71	0.428	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-04-2.5' SC07216-01	2150606	Soil	08-May-15 12:00	11-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	**86.3**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509146	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-05-3' SC07216-02	2150606	Soil	08-May-15 12:45	11-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	**0.204**	J	mg/kg dry	1.70	0.124	1	SW846 6010C	12-May-15	14-May-15	BJW	1509210	X
7440-38-2	Arsenic	**7.21**		mg/kg dry	1.70	0.275	1	"	"	"	"	"	X
7440-39-3	Barium	**99.9**		mg/kg dry	1.13	0.0673	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.448**	J	mg/kg dry	0.567	0.0181	1	"	"	"	"	"	X
7440-47-3	Chromium	**10.4**		mg/kg dry	1.13	0.108	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.425**		mg/kg dry	0.0362	0.0024	1	SW846 7471B	"	13-May-15	YR	1509211	X
7439-92-1	Lead	**160**		mg/kg dry	1.70	0.313	1	SW846 6010C	"	14-May-15	BJW	1509210	X
7782-49-2	Selenium	**1.11**	J	mg/kg dry	1.70	0.426	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**79.4**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509146	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-07-3' SC07216-03	2150606	Soil	08-May-15 14:10	11-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
83-32-9	Acenaphthene	< 22.7	U	µg/kg dry	97.3	22.7	1	SW846 8270D	12-May-15	12-May-15	MSL	1509247	X
208-96-8	Acenaphthylene	< 20.6	U	µg/kg dry	97.3	20.6	1	"	"	"	"	"	X
120-12-7	Anthracene	< 22.3	U	µg/kg dry	97.3	22.3	1	"	"	"	"	"	X
56-55-3	Benzo (a) anthracene	< 20.1	U	µg/kg dry	97.3	20.1	1	"	"	"	"	"	X
50-32-8	Benzo (a) pyrene	< 20.3	U	µg/kg dry	97.3	20.3	1	"	"	"	"	"	X
205-99-2	Benzo (b) fluoranthene	< 22.2	U	µg/kg dry	97.3	22.2	1	"	"	"	"	"	X
191-24-2	Benzo (g,h,i) perylene	< 21.1	U	µg/kg dry	97.3	21.1	1	"	"	"	"	"	X
207-08-9	Benzo (k) fluoranthene	< 22.2	U	µg/kg dry	97.3	22.2	1	"	"	"	"	"	X
111-91-1	Bis(2-chloroethoxy)methane	< 87.9	U	µg/kg dry	481	87.9	1	"	"	"	"	"	X
111-44-4	Bis(2-chloroethyl)ether	< 87.5	U	µg/kg dry	244	87.5	1	"	"	"	"	"	X
108-60-1	Bis(2-chloroisopropyl)ether	< 87.4	U	µg/kg dry	244	87.4	1	"	"	"	"	"	X
117-81-7	Bis(2-ethylhexyl)phthalate	< 120	U	µg/kg dry	244	120	1	"	"	"	"	"	X
101-55-3	4-Bromophenyl phenyl ether	< 97.3	U	µg/kg dry	481	97.3	1	"	"	"	"	"	X
85-68-7	Butyl benzyl phthalate	< 107	U	µg/kg dry	481	107	1	"	"	"	"	"	X
86-74-8	Carbazole	< 124	U	µg/kg dry	244	124	1	"	"	"	"	"	X
59-50-7	4-Chloro-3-methylphenol	< 99.8	U	µg/kg dry	481	99.8	1	"	"	"	"	"	X
106-47-8	4-Chloroaniline	< 99.3	U	µg/kg dry	244	99.3	1	"	"	"	"	"	X
91-58-7	2-Chloronaphthalene	< 84.6	U	µg/kg dry	481	84.6	1	"	"	"	"	"	X
95-57-8	2-Chlorophenol	< 86.1	U	µg/kg dry	244	86.1	1	"	"	"	"	"	X
7005-72-3	4-Chlorophenyl phenyl ether	< 90.4	U	µg/kg dry	481	90.4	1	"	"	"	"	"	X
218-01-9	Chrysene	< 23.8	U	µg/kg dry	97.3	23.8	1	"	"	"	"	"	X
53-70-3	Dibenzo (a,h) anthracene	< 17.9	U	µg/kg dry	97.3	17.9	1	"	"	"	"	"	X
132-64-9	Dibenzofuran	< 17.9	U	µg/kg dry	244	17.9	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 80.9	U	µg/kg dry	481	80.9	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 85.5	U	µg/kg dry	481	85.5	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 79.7	U	µg/kg dry	481	79.7	1	"	"	"	"	"	X
91-94-1	3,3´-Dichlorobenzidine	< 97.7	U	µg/kg dry	481	97.7	1	"	"	"	"	"	X
120-83-2	2,4-Dichlorophenol	< 82.9	U	µg/kg dry	244	82.9	1	"	"	"	"	"	X
84-66-2	Diethyl phthalate	< 100	U	µg/kg dry	481	100	1	"	"	"	"	"	X
131-11-3	Dimethyl phthalate	< 94.8	U	µg/kg dry	481	94.8	1	"	"	"	"	"	X
105-67-9	2,4-Dimethylphenol	< 82.5	U	µg/kg dry	481	82.5	1	"	"	"	"	"	X
84-74-2	Di-n-butyl phthalate	< 108	U	µg/kg dry	481	108	1	"	"	"	"	"	X
534-52-1	4,6-Dinitro-2-methylphenol	< 128	U	µg/kg dry	481	128	1	"	"	"	"	"	X
51-28-5	2,4-Dinitrophenol	< 127	U	µg/kg dry	481	127	1	"	"	"	"	"	X
121-14-2	2,4-Dinitrotoluene	< 100	U	µg/kg dry	244	100	1	"	"	"	"	"	X
606-20-2	2,6-Dinitrotoluene	< 94.5	U	µg/kg dry	244	94.5	1	"	"	"	"	"	X
117-84-0	Di-n-octyl phthalate	< 104	U	µg/kg dry	481	104	1	"	"	"	"	"	X
206-44-0	Fluoranthene	< 24.4	U	µg/kg dry	97.3	24.4	1	"	"	"	"	"	X
86-73-7	Fluorene	< 23.3	U	µg/kg dry	97.3	23.3	1	"	"	"	"	"	X
118-74-1	Hexachlorobenzene	< 106	U	µg/kg dry	244	106	1	"	"	"	"	"	X
87-68-3	Hexachlorobutadiene	< 77.5	U	µg/kg dry	244	77.5	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-07-3' SC07216-03	2150606	Soil	08-May-15 14:10	11-May-15

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GCMS													
Semivolatile Organic Compounds Prepared by method SW846 3545A													
77-47-4	Hexachlorocyclopentadiene	< 88.8	U	µg/kg dry	244	88.8	1	SW846 8270D	12-May-15	12-May-15	MSL	1509247	X
67-72-1	Hexachloroethane	< 93.5	U	µg/kg dry	244	93.5	1	"	"	"	"	"	X
193-39-5	Indeno (1,2,3-cd) pyrene	< 19.9	U	µg/kg dry	97.3	19.9	1	"	"	"	"	"	X
78-59-1	Isophorone	< 85.0	U	µg/kg dry	244	85.0	1	"	"	"	"	"	X
91-57-6	2-Methylnaphthalene	< 20.1	U	µg/kg dry	97.3	20.1	1	"	"	"	"	"	X
95-48-7	2-Methylphenol	< 86.4	U	µg/kg dry	481	86.4	1	"	"	"	"	"	X
108-39-4, 106-44-5	3 & 4-Methylphenol	< 108	U	µg/kg dry	481	108	1	"	"	"	"	"	X
91-20-3	Naphthalene	< 19.8	U	µg/kg dry	97.3	19.8	1	"	"	"	"	"	X
88-74-4	2-Nitroaniline	< 96.5	U	µg/kg dry	481	96.5	1	"	"	"	"	"	X
99-09-2	3-Nitroaniline	< 115	U	µg/kg dry	481	115	1	"	"	"	"	"	X
100-01-6	4-Nitroaniline	< 139	U	µg/kg dry	244	139	1	"	"	"	"	"	X
98-95-3	Nitrobenzene	< 94.5	U	µg/kg dry	244	94.5	1	"	"	"	"	"	X
88-75-5	2-Nitrophenol	< 80.6	U	µg/kg dry	244	80.6	1	"	"	"	"	"	X
100-02-7	4-Nitrophenol	< 130	U	µg/kg dry	1930	130	1	"	"	"	"	"	X
621-64-7	N-Nitrosodi-n-propylamine	< 104	U	µg/kg dry	244	104	1	"	"	"	"	"	X
86-30-6	N-Nitrosodiphenylamine	< 113	U	µg/kg dry	481	113	1	"	"	"	"	"	X
87-86-5	Pentachlorophenol	< 115	U	µg/kg dry	481	115	1	"	"	"	"	"	X
85-01-8	Phenanthrene	< 23.7	U	µg/kg dry	97.3	23.7	1	"	"	"	"	"	X
108-95-2	Phenol	< 87.6	U	µg/kg dry	481	87.6	1	"	"	"	"	"	X
129-00-0	Pyrene	< 20.7	U	µg/kg dry	97.3	20.7	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 76.6	U	µg/kg dry	481	76.6	1	"	"	"	"	"	X
95-95-4	2,4,5-Trichlorophenol	< 99.6	U	µg/kg dry	481	99.6	1	"	"	"	"	"	X
Surrogate recoveries:													
321-60-8	*2-Fluorobiphenyl*	*58*			*30-130 %*			"	"	"	"	"	
367-12-4	*2-Fluorophenol*	*76*			*30-130 %*			"	"	"	"	"	
4165-60-0	*Nitrobenzene-d5*	*61*			*30-130 %*			"	"	"	"	"	
4165-62-2	*Phenol-d5*	*76*			*30-130 %*			"	"	"	"	"	
1718-51-0	*Terphenyl-dl4*	*70*			*30-130 %*			"	"	"	"	"	
118-79-6	*2,4,6-Tribromophenol*	*76*			*30-130 %*			"	"	"	"	"	
Tentatively Identified Compounds Prepared by method SW846 3545A													
	Tentatively Identified Compounds	**None found**		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	**0.617**	J	mg/kg dry	1.97	0.144	1	SW846 6010C	12-May-15	14-May-15	BJW	1509210	X
7440-38-2	Arsenic	**17.0**		mg/kg dry	1.97	0.318	1	"	"	"	"	"	X
7440-39-3	Barium	**995**		mg/kg dry	1.31	0.0780	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.779**		mg/kg dry	0.657	0.0210	1	"	"	"	"	"	X
7440-47-3	Chromium	**26.1**		mg/kg dry	1.31	0.125	1	"	"	"	"	"	X
7439-97-6	Mercury	**1.20**	GS1, D	mg/kg dry	0.205	0.0134	5	SW846 7471B	"	13-May-15	YR	1509211	X
7439-92-1	Lead	**1,560**		mg/kg dry	1.97	0.363	1	SW846 6010C	"	14-May-15	BJW	1509210	X
7782-49-2	Selenium	**1.27**	J	mg/kg dry	1.97	0.493	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-07-3' SC07216-03	2150606	Soil	08-May-15 14:10	11-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
General Chemistry Parameters													
	% Solids	66.8		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509146	

Sample Identification
TP-06-1.5'
SC07216-04

Client Project #	Matrix	Collection Date/Time	Received
2150606	Soil	08-May-15 13:15	11-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-22-4	Silver	< 0.113	U	mg/kg dry	1.55	0.113	1	SW846 6010C	12-May-15	14-May-15	BJW	1509210	X
7440-38-2	Arsenic	**7.93**		mg/kg dry	1.55	0.250	1	"	"	"	"	"	X
7440-39-3	Barium	**102**		mg/kg dry	1.03	0.0614	1	"	"	"	"	"	X
7440-43-9	Cadmium	**0.406**	J	mg/kg dry	0.517	0.0165	1	"	"	"	"	"	X
7440-47-3	Chromium	**12.7**		mg/kg dry	1.03	0.0987	1	"	"	"	"	"	X
7439-97-6	Mercury	**0.766**	GS1, D	mg/kg dry	0.163	0.0107	5	SW846 7471B	"	13-May-15	YR	1509211	X
7439-92-1	Lead	**176**		mg/kg dry	1.55	0.285	1	SW846 6010C	"	14-May-15	BJW	1509210	X
7782-49-2	Selenium	**0.434**	J	mg/kg dry	1.55	0.388	1	"	"	"	"	"	X
General Chemistry Parameters													
	% Solids	**87.6**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509146	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-07	2150606	Ground Water	08-May-15 09:00	11-May-15
SC07216-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Organochlorine Pesticides													
Prepared by method SW846 3510C													
319-84-6	alpha-BHC	< 0.006	U	µg/l	0.021	0.006	1	SW846 8081B	12-May-15	13-May-15	TG	1509203	X
319-85-7	beta-BHC	< 0.009	U	µg/l	0.021	0.009	1	"	"	"	"	"	X
319-86-8	delta-BHC	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
58-89-9	gamma-BHC (Lindane)	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
76-44-8	Heptachlor	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
309-00-2	Aldrin	< 0.006	U	µg/l	0.021	0.006	1	"	"	"	"	"	X
1024-57-3	Heptachlor epoxide	< 0.008	U	µg/l	0.021	0.008	1	"	"	"	"	"	X
959-98-8	Endosulfan I	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
60-57-1	Dieldrin	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
72-55-9	4,4'-DDE (p,p')	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
72-20-8	Endrin	< 0.006	U	µg/l	0.043	0.006	1	"	"	"	"	"	X
33213-65-9	Endosulfan II	< 0.007	U	µg/l	0.043	0.007	1	"	"	"	"	"	X
72-54-8	4,4'-DDD (p,p')	< 0.007	U	µg/l	0.043	0.007	1	"	"	"	"	"	X
1031-07-8	Endosulfan sulfate	< 0.007	U	µg/l	0.043	0.007	1	"	"	"	"	"	X
50-29-3	4,4'-DDT (p,p')	< 0.013	U	µg/l	0.043	0.013	1	"	"	"	"	"	X
72-43-5	Methoxychlor	< 0.024	U	µg/l	0.043	0.024	1	"	"	"	"	"	X
53494-70-5	Endrin ketone	< 0.007	U	µg/l	0.043	0.007	1	"	"	"	"	"	X
7421-93-4	Endrin aldehyde	< 0.005	U	µg/l	0.043	0.005	1	"	"	"	"	"	X
5103-71-9	alpha-Chlordane	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
5566-34-7	gamma-Chlordane	< 0.007	U	µg/l	0.021	0.007	1	"	"	"	"	"	X
8001-35-2	Toxaphene	< 0.261	U	µg/l	0.532	0.261	1	"	"	"	"	"	X
57-74-9	Chlordane	< 0.056	U	µg/l	0.069	0.056	1	"	"	"	"	"	X
15972-60-8	Alachlor	< 0.012	U	µg/l	0.021	0.012	1	"	"	"	"	"	
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*53*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*54*			*30-150 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-02-5.5' SC07216-08	2150606	Soil	08-May-15 10:30	11-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7439-97-6	Mercury	**1.80**	GS1, D	mg/kg dry	0.218	0.0142	5	SW846 7471B	12-May-15	13-May-15	YR	1509211	X
7439-92-1	Lead	**283**		mg/kg dry	2.18	0.400	1	SW846 6010C	"	14-May-15	BJW	1509210	X
General Chemistry Parameters													
	% Solids	**68.3**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509155	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-03-2' SC07216-09	2150606	Soil	08-May-15 11:20	11-May-15

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Total Metals by EPA 6000/7000 Series Methods													
7440-43-9	Cadmium	**0.233**	J	mg/kg dry	0.585	0.0187	1	SW846 6010C	12-May-15	14-May-15	BJW	1509210	X
General Chemistry Parameters													
	% Solids	**83.5**		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509155	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509247 - SW846 3545A										
Blank (1509247-BLK1)					Prepared & Analyzed: 12-May-15					
Acenaphthene	< 15.5	U	µg/kg wet	15.5						
Tentatively Identified Compounds	**None found**		µg/kg wet							
Acenaphthylene	< 14.1	U	µg/kg wet	14.1						
Aniline	< 67.8	U	µg/kg wet	67.8						
Anthracene	< 15.2	U	µg/kg wet	15.2						
Azobenzene/Diphenyldiazene	< 79.2	U	µg/kg wet	79.2						
Benzidine	< 80.4	U	µg/kg wet	80.4						
Benzo (a) anthracene	< 13.7	U	µg/kg wet	13.7						
Benzo (a) pyrene	< 13.8	U	µg/kg wet	13.8						
Benzo (b) fluoranthene	< 15.1	U	µg/kg wet	15.1						
Benzo (g,h,i) perylene	< 14.4	U	µg/kg wet	14.4						
Benzo (k) fluoranthene	< 15.1	U	µg/kg wet	15.1						
Benzoic acid	< 76.7	U	µg/kg wet	76.7						
Benzyl alcohol	< 60.3	U	µg/kg wet	60.3						
Bis(2-chloroethoxy)methane	< 60.0	U	µg/kg wet	60.0						
Bis(2-chloroethyl)ether	< 59.7	U	µg/kg wet	59.7						
Bis(2-chloroisopropyl)ether	< 59.6	U	µg/kg wet	59.6						
Bis(2-ethylhexyl)phthalate	< 82.0	U	µg/kg wet	82.0						
4-Bromophenyl phenyl ether	< 66.4	U	µg/kg wet	66.4						
Butyl benzyl phthalate	< 72.8	U	µg/kg wet	72.8						
Carbazole	< 84.4	U	µg/kg wet	84.4						
4-Chloro-3-methylphenol	< 68.1	U	µg/kg wet	68.1						
4-Chloroaniline	< 67.8	U	µg/kg wet	67.8						
2-Chloronaphthalene	< 57.8	U	µg/kg wet	57.8						
2-Chlorophenol	< 58.7	U	µg/kg wet	58.7						
4-Chlorophenyl phenyl ether	< 61.7	U	µg/kg wet	61.7						
Chrysene	< 16.2	U	µg/kg wet	16.2						
Dibenzo (a,h) anthracene	< 12.2	U	µg/kg wet	12.2						
Dibenzofuran	< 12.2	U	µg/kg wet	12.2						
1,2-Dichlorobenzene	< 55.2	U	µg/kg wet	55.2						
1,3-Dichlorobenzene	< 58.3	U	µg/kg wet	58.3						
1,4-Dichlorobenzene	< 54.4	U	µg/kg wet	54.4						
3,3´-Dichlorobenzidine	< 66.7	U	µg/kg wet	66.7						
2,4-Dichlorophenol	< 56.5	U	µg/kg wet	56.5						
Diethyl phthalate	< 68.6	U	µg/kg wet	68.6						
Dimethyl phthalate	< 64.7	U	µg/kg wet	64.7						
2,4-Dimethylphenol	< 56.3	U	µg/kg wet	56.3						
Di-n-butyl phthalate	< 73.8	U	µg/kg wet	73.8						
4,6-Dinitro-2-methylphenol	< 87.4	U	µg/kg wet	87.4						
2,4-Dinitrophenol	< 86.5	U	µg/kg wet	86.5						
2,4-Dinitrotoluene	< 68.5	U	µg/kg wet	68.5						
2,6-Dinitrotoluene	< 64.5	U	µg/kg wet	64.5						
Di-n-octyl phthalate	< 70.9	U	µg/kg wet	70.9						
Fluoranthene	< 16.7	U	µg/kg wet	16.7						
Fluorene	< 15.9	U	µg/kg wet	15.9						
Hexachlorobenzene	< 72.6	U	µg/kg wet	72.6						
Hexachlorobutadiene	< 52.9	U	µg/kg wet	52.9						
Hexachlorocyclopentadiene	< 60.6	U	µg/kg wet	60.6						
Hexachloroethane	< 63.8	U	µg/kg wet	63.8						
Indeno (1,2,3-cd) pyrene	< 13.6	U	µg/kg wet	13.6						
Isophorone	< 58.0	U	µg/kg wet	58.0						
2-Methylnaphthalene	< 13.7	U	µg/kg wet	13.7						

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509247 - SW846 3545A										
Blank (1509247-BLK1)					Prepared & Analyzed: 12-May-15					
2-Methylphenol	< 58.9	U	µg/kg wet	58.9						
3 & 4-Methylphenol	< 73.9	U	µg/kg wet	73.9						
Naphthalene	< 13.5	U	µg/kg wet	13.5						
2-Nitroaniline	< 65.8	U	µg/kg wet	65.8						
3-Nitroaniline	< 78.6	U	µg/kg wet	78.6						
4-Nitroaniline	< 95.0	U	µg/kg wet	95.0						
Nitrobenzene	< 64.5	U	µg/kg wet	64.5						
2-Nitrophenol	< 55.0	U	µg/kg wet	55.0						
4-Nitrophenol	< 88.7	U	µg/kg wet	88.7						
N-Nitrosodimethylamine	< 65.2	U	µg/kg wet	65.2						
N-Nitrosodi-n-propylamine	< 70.7	U	µg/kg wet	70.7						
N-Nitrosodiphenylamine	< 77.3	U	µg/kg wet	77.3						
Pentachlorophenol	< 78.2	U	µg/kg wet	78.2						
Phenanthrene	< 16.2	U	µg/kg wet	16.2						
Phenol	< 59.8	U	µg/kg wet	59.8						
Pyrene	< 14.1	U	µg/kg wet	14.1						
Pyridine	< 71.1	U	µg/kg wet	71.1						
1,2,4-Trichlorobenzene	< 52.3	U	µg/kg wet	52.3						
1-Methylnaphthalene	< 16.8	U	µg/kg wet	16.8						
2,4,5-Trichlorophenol	< 67.9	U	µg/kg wet	67.9						
2,4,6-Trichlorophenol	< 62.9	U	µg/kg wet	62.9						
Pentachloronitrobenzene	< 70.4	U	µg/kg wet	70.4						
1,2,4,5-Tetrachlorobenzene	< 59.6	U	µg/kg wet	59.6						
Surrogate: 2-Fluorobiphenyl	*1390*		µg/kg wet		*1660*		*84*	*30-130*		
Surrogate: 2-Fluorophenol	*1490*		µg/kg wet		*1660*		*90*	*30-130*		
Surrogate: Nitrobenzene-d5	*1490*		µg/kg wet		*1660*		*90*	*30-130*		
Surrogate: Phenol-d5	*1480*		µg/kg wet		*1660*		*89*	*30-130*		
Surrogate: Terphenyl-dl4	*1540*		µg/kg wet		*1660*		*93*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1520*		µg/kg wet		*1660*		*92*	*30-130*		
LCS (1509247-BS1)					Prepared & Analyzed: 12-May-15					
Acenaphthene	**1400**		µg/kg wet	15.5	1660		84	40-140		
Acenaphthylene	**1470**		µg/kg wet	14.1	1660		89	40-140		
Aniline	**1230**		µg/kg wet	67.7	1660		74	40-140		
Anthracene	**1520**		µg/kg wet	15.2	1660		92	40-140		
Azobenzene/Diphenyldiazene	**1640**		µg/kg wet	79.2	1660		99	40-140		
Benzidine	**2810**	QC2	µg/kg wet	80.4	1660		169	40-140		
Benzo (a) anthracene	**1440**		µg/kg wet	13.7	1660		87	40-140		
Benzo (a) pyrene	**1520**		µg/kg wet	13.8	1660		91	40-140		
Benzo (b) fluoranthene	**1480**		µg/kg wet	15.1	1660		89	40-140		
Benzo (g,h,i) perylene	**1620**		µg/kg wet	14.4	1660		98	40-140		
Benzo (k) fluoranthene	**1400**		µg/kg wet	15.1	1660		84	40-140		
Benzoic acid	**1440**		µg/kg wet	76.7	1660		87	30-130		
Benzyl alcohol	**1260**		µg/kg wet	60.3	1660		76	40-140		
Bis(2-chloroethoxy)methane	**1310**		µg/kg wet	59.9	1660		79	40-140		
Bis(2-chloroethyl)ether	**1180**		µg/kg wet	59.7	1660		71	40-140		
Bis(2-chloroisopropyl)ether	**1550**		µg/kg wet	59.6	1660		93	40-140		
Bis(2-ethylhexyl)phthalate	**1560**		µg/kg wet	82.0	1660		94	40-140		
4-Bromophenyl phenyl ether	**1410**		µg/kg wet	66.4	1660		85	40-140		
Butyl benzyl phthalate	**1520**		µg/kg wet	72.8	1660		92	40-140		
Carbazole	**1650**		µg/kg wet	84.4	1660		100	40-140		
4-Chloro-3-methylphenol	**1490**		µg/kg wet	68.1	1660		90	30-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509247 - SW846 3545A										
LCS (1509247-BS1)					Prepared & Analyzed: 12-May-15					
4-Chloroaniline	**1170**		µg/kg wet	67.8	1660		70	40-140		
2-Chloronaphthalene	**1410**		µg/kg wet	57.7	1660		85	40-140		
2-Chlorophenol	**1350**		µg/kg wet	58.7	1660		81	30-130		
4-Chlorophenyl phenyl ether	**1320**		µg/kg wet	61.7	1660		80	40-140		
Chrysene	**1390**		µg/kg wet	16.2	1660		84	40-140		
Dibenzo (a,h) anthracene	**1600**		µg/kg wet	12.2	1660		96	40-140		
Dibenzofuran	**1400**		µg/kg wet	12.2	1660		84	40-140		
1,2-Dichlorobenzene	**1310**		µg/kg wet	55.2	1660		79	40-140		
1,3-Dichlorobenzene	**1320**		µg/kg wet	58.3	1660		79	40-140		
1,4-Dichlorobenzene	**1300**		µg/kg wet	54.3	1660		78	40-140		
3,3´-Dichlorobenzidine	**1610**		µg/kg wet	66.7	1660		97	40-140		
2,4-Dichlorophenol	**1380**		µg/kg wet	56.5	1660		83	30-130		
Diethyl phthalate	**1430**		µg/kg wet	68.5	1660		86	40-140		
Dimethyl phthalate	**1410**		µg/kg wet	64.7	1660		85	40-140		
2,4-Dimethylphenol	**1350**		µg/kg wet	56.3	1660		81	30-130		
Di-n-butyl phthalate	**1500**		µg/kg wet	73.7	1660		91	40-140		
4,6-Dinitro-2-methylphenol	**1540**		µg/kg wet	87.3	1660		93	30-130		
2,4-Dinitrophenol	**1450**		µg/kg wet	86.5	1660		88	30-130		
2,4-Dinitrotoluene	**1550**		µg/kg wet	68.4	1660		93	40-140		
2,6-Dinitrotoluene	**1570**		µg/kg wet	64.5	1660		95	40-140		
Di-n-octyl phthalate	**1460**		µg/kg wet	70.9	1660		88	40-140		
Fluoranthene	**1430**		µg/kg wet	16.7	1660		86	40-140		
Fluorene	**1400**		µg/kg wet	15.9	1660		85	40-140		
Hexachlorobenzene	**1460**		µg/kg wet	72.6	1660		88	40-140		
Hexachlorobutadiene	**1160**		µg/kg wet	52.8	1660		70	40-140		
Hexachlorocyclopentadiene	**1610**		µg/kg wet	60.6	1660		97	40-140		
Hexachloroethane	**1350**		µg/kg wet	63.8	1660		82	40-140		
Indeno (1,2,3-cd) pyrene	**1720**		µg/kg wet	13.6	1660		104	40-140		
Isophorone	**1420**		µg/kg wet	58.0	1660		86	40-140		
2-Methylnaphthalene	**1500**		µg/kg wet	13.7	1660		90	40-140		
2-Methylphenol	**1400**		µg/kg wet	58.9	1660		84	30-130		
3 & 4-Methylphenol	**1490**		µg/kg wet	73.9	1660		90	30-130		
Naphthalene	**1350**		µg/kg wet	13.5	1660		81	40-140		
2-Nitroaniline	**1630**		µg/kg wet	65.8	1660		98	40-140		
3-Nitroaniline	**1370**		µg/kg wet	78.6	1660		83	40-140		
4-Nitroaniline	**1800**		µg/kg wet	95.0	1660		108	40-140		
Nitrobenzene	**1440**		µg/kg wet	64.4	1660		87	40-140		
2-Nitrophenol	**1430**		µg/kg wet	55.0	1660		86	30-130		
4-Nitrophenol	**1180**	J	µg/kg wet	88.7	1660		71	30-130		
N-Nitrosodimethylamine	**1240**		µg/kg wet	65.2	1660		75	40-140		
N-Nitrosodi-n-propylamine	**1510**		µg/kg wet	70.7	1660		91	40-140		
N-Nitrosodiphenylamine	**1660**		µg/kg wet	77.2	1660		100	40-140		
Pentachlorophenol	**992**		µg/kg wet	78.1	1660		60	30-130		
Phenanthrene	**1430**		µg/kg wet	16.2	1660		86	40-140		
Phenol	**1330**		µg/kg wet	59.8	1660		80	30-130		
Pyrene	**1540**		µg/kg wet	14.1	1660		93	40-140		
Pyridine	**1170**		µg/kg wet	71.1	1660		71	40-140		
1,2,4-Trichlorobenzene	**1290**		µg/kg wet	52.2	1660		78	40-140		
1-Methylnaphthalene	**1460**		µg/kg wet	16.8	1660		88	40-140		
2,4,5-Trichlorophenol	**1430**		µg/kg wet	67.9	1660		86	30-130		
2,4,6-Trichlorophenol	**1360**		µg/kg wet	62.9	1660		82	30-130		
Pentachloronitrobenzene	**1510**		µg/kg wet	70.3	1660		91	40-140		

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509247 - SW846 3545A										
LCS (1509247-BS1)					Prepared & Analyzed: 12-May-15					
1,2,4,5-Tetrachlorobenzene	**1440**		µg/kg wet	59.6	1660		87	40-140		
Surrogate: 2-Fluorobiphenyl	*1470*		µg/kg wet		*1660*		*88*	*30-130*		
Surrogate: 2-Fluorophenol	*1410*		µg/kg wet		*1660*		*85*	*30-130*		
Surrogate: Nitrobenzene-d5	*1590*		µg/kg wet		*1660*		*96*	*30-130*		
Surrogate: Phenol-d5	*1450*		µg/kg wet		*1660*		*87*	*30-130*		
Surrogate: Terphenyl-dl4	*1510*		µg/kg wet		*1660*		*91*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1530*		µg/kg wet		*1660*		*92*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509203 - SW846 3510C										
Blank (1509203-BLK1)					Prepared: 12-May-15 Analyzed: 13-May-15					
alpha-BHC	< 0.005	U	µg/l	0.005						
alpha-BHC [2C]	< 0.006	U	µg/l	0.006						
beta-BHC	< 0.008	U	µg/l	0.008						
beta-BHC [2C]	< 0.007	U	µg/l	0.007						
delta-BHC	< 0.006	U	µg/l	0.006						
delta-BHC [2C]	< 0.005	U	µg/l	0.005						
gamma-BHC (Lindane)	< 0.007	U	µg/l	0.007						
gamma-BHC (Lindane) [2C]	< 0.006	U	µg/l	0.006						
Heptachlor	< 0.007	U	µg/l	0.007						
Heptachlor [2C]	< 0.006	U	µg/l	0.006						
Aldrin	< 0.006	U	µg/l	0.006						
Aldrin [2C]	< 0.007	U	µg/l	0.007						
Heptachlor epoxide	< 0.007	U	µg/l	0.007						
Heptachlor epoxide [2C]	< 0.006	U	µg/l	0.006						
Endosulfan I	< 0.007	U	µg/l	0.007						
Endosulfan I [2C]	< 0.007	U	µg/l	0.007						
Dieldrin	< 0.007	U	µg/l	0.007						
Dieldrin [2C]	< 0.007	U	µg/l	0.007						
4,4'-DDE (p,p')	< 0.007	U	µg/l	0.007						
4,4'-DDE (p,p') [2C]	< 0.007	U	µg/l	0.007						
Endrin	< 0.006	U	µg/l	0.006						
Endrin [2C]	< 0.009	U	µg/l	0.009						
Endosulfan II	< 0.006	U	µg/l	0.006						
Endosulfan II [2C]	< 0.008	U	µg/l	0.008						
4,4'-DDD (p,p')	< 0.006	U	µg/l	0.006						
4,4'-DDD (p,p') [2C]	< 0.007	U	µg/l	0.007						
Endosulfan sulfate	< 0.006	U	µg/l	0.006						
Endosulfan sulfate [2C]	< 0.008	U	µg/l	0.008						
4,4'-DDT (p,p')	< 0.012	U	µg/l	0.012						
4,4'-DDT (p,p') [2C]	< 0.008	U	µg/l	0.008						
Methoxychlor	< 0.023	U	µg/l	0.023						
Methoxychlor [2C]	< 0.022	U	µg/l	0.022						
Endrin ketone	< 0.007	U	µg/l	0.007						
Endrin ketone [2C]	< 0.008	U	µg/l	0.008						
Endrin aldehyde	< 0.005	U	µg/l	0.005						
Endrin aldehyde [2C]	< 0.007	U	µg/l	0.007						
alpha-Chlordane	< 0.007	U	µg/l	0.007						
alpha-Chlordane [2C]	< 0.006	U	µg/l	0.006						
gamma-Chlordane	< 0.006	U	µg/l	0.006						
gamma-Chlordane [2C]	< 0.006	U	µg/l	0.006						
Toxaphene	< 0.245	U	µg/l	0.245						
Toxaphene [2C]	< 0.267	U	µg/l	0.267						
Chlordane	< 0.053	U	µg/l	0.053						
Chlordane [2C]	< 0.059	U	µg/l	0.059						
Alachlor	< 0.012	U	µg/l	0.012						
Alachlor [2C]	< 0.008	U	µg/l	0.008						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.197*		µg/l		*0.200*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.197*		µg/l		*0.200*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.220*		µg/l		*0.200*		*110*	*30-150*		

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509203 - SW846 3510C										
LCS (1509203-BS1)					Prepared: 12-May-15 Analyzed: 13-May-15					
alpha-BHC	**0.411**		µg/l	0.005	0.500		82	40-140		
alpha-BHC [2C]	**0.421**		µg/l	0.006	0.500		84	40-140		
beta-BHC	**0.458**		µg/l	0.008	0.500		92	40-140		
beta-BHC [2C]	**0.448**		µg/l	0.007	0.500		90	40-140		
delta-BHC	**0.274**		µg/l	0.006	0.500		55	40-140		
delta-BHC [2C]	**0.278**		µg/l	0.005	0.500		56	40-140		
gamma-BHC (Lindane)	**0.433**		µg/l	0.007	0.500		87	40-140		
gamma-BHC (Lindane) [2C]	**0.420**		µg/l	0.006	0.500		84	40-140		
Heptachlor	**0.443**		µg/l	0.007	0.500		89	40-140		
Heptachlor [2C]	**0.468**		µg/l	0.006	0.500		94	40-140		
Aldrin	**0.456**		µg/l	0.006	0.500		91	40-140		
Aldrin [2C]	**0.477**		µg/l	0.007	0.500		95	40-140		
Heptachlor epoxide	**0.469**		µg/l	0.007	0.500		94	40-140		
Heptachlor epoxide [2C]	**0.471**		µg/l	0.006	0.500		94	40-140		
Endosulfan I	**0.464**		µg/l	0.007	0.500		93	40-140		
Endosulfan I [2C]	**0.469**		µg/l	0.007	0.500		94	40-140		
Dieldrin	**0.473**		µg/l	0.007	0.500		95	40-140		
Dieldrin [2C]	**0.481**		µg/l	0.007	0.500		96	40-140		
4,4'-DDE (p,p')	**0.480**		µg/l	0.007	0.500		96	40-140		
4,4'-DDE (p,p') [2C]	**0.477**		µg/l	0.007	0.500		95	40-140		
Endrin	**0.591**		µg/l	0.006	0.500		118	40-140		
Endrin [2C]	**0.588**		µg/l	0.009	0.500		118	40-140		
Endosulfan II	**0.467**		µg/l	0.006	0.500		93	40-140		
Endosulfan II [2C]	**0.494**		µg/l	0.008	0.500		99	40-140		
4,4'-DDD (p,p')	**0.467**		µg/l	0.006	0.500		93	40-140		
4,4'-DDD (p,p') [2C]	**0.465**		µg/l	0.007	0.500		93	40-140		
Endosulfan sulfate	**0.397**		µg/l	0.006	0.500		79	40-140		
Endosulfan sulfate [2C]	**0.404**		µg/l	0.008	0.500		81	40-140		
4,4'-DDT (p,p')	**0.459**		µg/l	0.012	0.500		92	40-140		
4,4'-DDT (p,p') [2C]	**0.467**		µg/l	0.008	0.500		93	40-140		
Methoxychlor	**0.493**		µg/l	0.023	0.500		99	40-140		
Methoxychlor [2C]	**0.479**		µg/l	0.022	0.500		96	40-140		
Endrin ketone	**0.457**		µg/l	0.007	0.500		91	40-140		
Endrin ketone [2C]	**0.441**		µg/l	0.008	0.500		88	40-140		
Endrin aldehyde	**0.419**		µg/l	0.005	0.500		84	40-140		
Endrin aldehyde [2C]	**0.449**		µg/l	0.007	0.500		90	40-140		
alpha-Chlordane	**0.410**		µg/l	0.007	0.500		82	40-140		
alpha-Chlordane [2C]	**0.408**		µg/l	0.006	0.500		82	40-140		
gamma-Chlordane	**0.422**		µg/l	0.006	0.500		84	40-140		
gamma-Chlordane [2C]	**0.406**		µg/l	0.006	0.500		81	40-140		
Alachlor	**0.412**		µg/l	0.012	0.500		82	40-140		
Alachlor [2C]	**0.396**		µg/l	0.008	0.500		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.197*		µg/l		*0.200*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.201*		µg/l		*0.200*		*100*	*30-150*		
LCS Dup (1509203-BSD1)					Prepared: 12-May-15 Analyzed: 13-May-15					
alpha-BHC	**0.423**		µg/l	0.005	0.500		85	40-140	3	20
alpha-BHC [2C]	**0.366**		µg/l	0.006	0.500		73	40-140	14	20
beta-BHC	**0.481**		µg/l	0.008	0.500		96	40-140	5	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509203 - SW846 3510C										
LCS Dup (1509203-BSD1)					Prepared: 12-May-15 Analyzed: 13-May-15					
beta-BHC [2C]	**0.394**		µg/l	0.007	0.500		79	40-140	13	20
delta-BHC	**0.294**		µg/l	0.006	0.500		59	40-140	7	20
delta-BHC [2C]	**0.245**		µg/l	0.005	0.500		49	40-140	12	20
gamma-BHC (Lindane)	**0.444**		µg/l	0.007	0.500		89	40-140	3	20
gamma-BHC (Lindane) [2C]	**0.366**		µg/l	0.006	0.500		73	40-140	14	20
Heptachlor	**0.448**		µg/l	0.007	0.500		90	40-140	1	20
Heptachlor [2C]	**0.404**		µg/l	0.006	0.500		81	40-140	15	20
Aldrin	**0.459**		µg/l	0.006	0.500		92	40-140	0.8	20
Aldrin [2C]	**0.415**		µg/l	0.007	0.500		83	40-140	14	20
Heptachlor epoxide	**0.457**		µg/l	0.007	0.500		91	40-140	3	20
Heptachlor epoxide [2C]	**0.410**		µg/l	0.006	0.500		82	40-140	14	20
Endosulfan I	**0.451**		µg/l	0.007	0.500		90	40-140	3	20
Endosulfan I [2C]	**0.409**		µg/l	0.007	0.500		82	40-140	14	20
Dieldrin	**0.465**		µg/l	0.007	0.500		93	40-140	2	20
Dieldrin [2C]	**0.417**		µg/l	0.007	0.500		83	40-140	14	20
4,4'-DDE (p,p')	**0.470**		µg/l	0.007	0.500		94	40-140	2	20
4,4'-DDE (p,p') [2C]	**0.413**		µg/l	0.007	0.500		83	40-140	14	20
Endrin	**0.546**		µg/l	0.006	0.500		109	40-140	8	20
Endrin [2C]	**0.503**		µg/l	0.009	0.500		101	40-140	16	20
Endosulfan II	**0.466**		µg/l	0.006	0.500		93	40-140	0.2	20
Endosulfan II [2C]	**0.429**		µg/l	0.008	0.500		86	40-140	14	20
4,4'-DDD (p,p')	**0.465**		µg/l	0.006	0.500		93	40-140	0.4	20
4,4'-DDD (p,p') [2C]	**0.408**		µg/l	0.007	0.500		82	40-140	13	20
Endosulfan sulfate	**0.412**		µg/l	0.006	0.500		82	40-140	4	20
Endosulfan sulfate [2C]	**0.354**		µg/l	0.008	0.500		71	40-140	13	20
4,4'-DDT (p,p')	**0.426**		µg/l	0.012	0.500		85	40-140	7	20
4,4'-DDT (p,p') [2C]	**0.392**		µg/l	0.008	0.500		78	40-140	18	20
Methoxychlor	**0.455**		µg/l	0.023	0.500		91	40-140	8	20
Methoxychlor [2C]	**0.404**		µg/l	0.022	0.500		81	40-140	17	20
Endrin ketone	**0.457**		µg/l	0.007	0.500		91	40-140	0.05	20
Endrin ketone [2C]	**0.385**		µg/l	0.008	0.500		77	40-140	14	20
Endrin aldehyde	**0.429**		µg/l	0.005	0.500		86	40-140	2	20
Endrin aldehyde [2C]	**0.395**		µg/l	0.007	0.500		79	40-140	13	20
alpha-Chlordane	**0.401**		µg/l	0.007	0.500		80	40-140	2	20
alpha-Chlordane [2C]	**0.357**		µg/l	0.006	0.500		71	40-140	13	20
gamma-Chlordane	**0.415**		µg/l	0.006	0.500		83	40-140	2	20
gamma-Chlordane [2C]	**0.356**		µg/l	0.006	0.500		71	40-140	13	20
Alachlor	**0.424**		µg/l	0.012	0.500		85	40-140	3	20
Alachlor [2C]	**0.351**		µg/l	0.008	0.500		70	40-140	12	20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*0.165*		µg/l		*0.200*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.189*		µg/l		*0.200*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.172*		µg/l		*0.200*		*86*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509210 - SW846 3050B										
Blank (1509210-BLK1)					Prepared: 12-May-15 Analyzed: 14-May-15					
Selenium	**0.424**	J	mg/kg wet	0.371						
Lead	< 0.272	U	mg/kg wet	0.272						
Cadmium	< 0.0158	U	mg/kg wet	0.0158						
Arsenic	< 0.239	U	mg/kg wet	0.239						
Silver	< 0.108	U	mg/kg wet	0.108						
Chromium	< 0.0942	U	mg/kg wet	0.0942						
Barium	< 0.0586	U	mg/kg wet	0.0586						
Duplicate (1509210-DUP1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 14-May-15					
Cadmium	**0.433**	J	mg/kg dry	0.0179		0.406			7	20
Selenium	< 0.420	U	mg/kg dry	0.420		0.434				20
Lead	**175**		mg/kg dry	0.309		176			0.7	20
Silver	< 0.123	U	mg/kg dry	0.123		BRL				20
Chromium	**12.9**		mg/kg dry	0.107		12.7			2	20
Arsenic	**7.50**		mg/kg dry	0.271		7.93			6	20
Barium	**102**		mg/kg dry	0.0665		102			0.3	20
Matrix Spike (1509210-MS1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 14-May-15					
Lead	**311**		mg/kg dry	0.309	140	176	96	75-125		
Chromium	**135**		mg/kg dry	0.107	140	12.7	87	75-125		
Selenium	**106**		mg/kg dry	0.421	140	0.434	75	75-125		
Arsenic	**119**		mg/kg dry	0.272	140	7.93	79	75-125		
Cadmium	**109**		mg/kg dry	0.0179	140	0.406	77	75-125		
Silver	**116**		mg/kg dry	0.123	140	BRL	83	75-125		
Barium	**316**	QM7	mg/kg dry	0.0666	140	102	153	75-125		
Matrix Spike Dup (1509210-MSD1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 14-May-15					
Selenium	**98.9**	QM7	mg/kg dry	0.398	132	0.434	74	75-125	7	20
Arsenic	**108**		mg/kg dry	0.257	132	7.93	76	75-125	9	20
Silver	**92.9**	QM7, QR9	mg/kg dry	0.116	132	BRL	70	75-125	22	20
Chromium	**125**		mg/kg dry	0.101	132	12.7	85	75-125	8	20
Lead	**279**		mg/kg dry	0.292	132	176	78	75-125	11	20
Cadmium	**102**		mg/kg dry	0.0169	132	0.406	77	75-125	7	20
Barium	**282**	QM7	mg/kg dry	0.0629	132	102	136	75-125	11	20
Post Spike (1509210-PS1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 14-May-15					
Arsenic	**107**	QM9	mg/kg dry	0.250	129	7.93	77	80-120		
Cadmium	**99.2**	QM9	mg/kg dry	0.0165	129	0.406	77	80-120		
Chromium	**118**		mg/kg dry	0.0987	129	12.7	81	80-120		
Lead	**259**	QM9	mg/kg dry	0.285	129	176	64	80-120		
Selenium	**97.8**	QM9	mg/kg dry	0.388	129	0.434	75	80-120		
Silver	**98.1**	QM9	mg/kg dry	0.113	129	BRL	76	80-120		
Barium	**201**	QM9	mg/kg dry	0.0614	129	102	76	80-120		
Reference (1509210-SRM1)					Prepared: 12-May-15 Analyzed: 14-May-15					
Chromium	**47.5**		mg/kg wet	0.0955	51.7		92	78.72-120.58		
Silver	**14.9**		mg/kg wet	0.110	17.3		86	74.26-125.43		
Lead	**43.8**		mg/kg wet	0.276	47.9		91	81.16-118.51		
Cadmium	**40.7**		mg/kg wet	0.0160	44.6		91	81.93-118.18		
Arsenic	**54.1**		mg/kg wet	0.242	61.8		87	77.78-122.13		
Selenium	**70.2**		mg/kg wet	0.376	79.6		88	77.07-122.29		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509210 - SW846 3050B										
Reference (1509210-SRM1)					Prepared: 12-May-15 Analyzed: 14-May-15					
Barium	**80.2**		mg/kg wet	0.0594	84.7		95	82.03-117.36		
Reference (1509210-SRM2)					Prepared: 12-May-15 Analyzed: 14-May-15					
Selenium	**66.9**		mg/kg wet	0.376	79.6		84	77.07-122.29		
Silver	**14.6**		mg/kg wet	0.110	17.3		84	74.26-125.43		
Arsenic	**52.8**		mg/kg wet	0.242	61.8		85	77.78-122.13		
Cadmium	**39.1**		mg/kg wet	0.0160	44.6		88	81.93-118.18		
Chromium	**46.8**		mg/kg wet	0.0955	51.7		91	78.72-120.58		
Lead	**42.7**		mg/kg wet	0.276	47.9		89	81.16-118.51		
Barium	**81.0**		mg/kg wet	0.0594	84.7		96	82.03-117.36		
Batch 1509211 - EPA200/SW7000 Series										
Blank (1509211-BLK1)					Prepared: 12-May-15 Analyzed: 13-May-15					
Mercury	< 0.0019	U	mg/kg wet	0.0019						
Duplicate (1509211-DUP1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 13-May-15					
Mercury	**0.522**	GS1, QR6, D	mg/kg dry	0.0107		0.766			38	20
Matrix Spike (1509211-MS1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 13-May-15					
Mercury	**0.933**	QM8, D	mg/kg dry	0.0107	0.228	0.766	73	75-125		
Matrix Spike Dup (1509211-MSD1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 13-May-15					
Mercury	**1.01**	D	mg/kg dry	0.0099	0.211	0.766	115	75-125	8	20
Post Spike (1509211-PS1)			Source: SC07216-04		Prepared: 12-May-15 Analyzed: 13-May-15					
Mercury	**1.02**	D	mg/kg dry	0.0107	0.227	0.766	110	80-120		
Reference (1509211-SRM1)					Prepared: 12-May-15 Analyzed: 13-May-15					
Mercury	**1.54**	D	mg/kg wet	0.0392	1.33		116	74.62-125.62		

Analyte(s)	Column	% Breakdown	Limit
Batch S504535			
Performance Mix (S504535-PEM1)			
4,4'-DDT (p,p')	1	5.8	15.0
Endrin	1	7.6	15.0
4,4'-DDT (p,p')	2	2.6	15.0
Endrin	2	3.5	15.0

Notes and Definitions

D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR9	RPD out of acceptance range. The batch is accepted based upon LCS and/or LCSD recovery.
R01	The Reporting Limit has been raised to account for matrix interference.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly LaPlante
Rebecca Merz

SC07216 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
300 State St Suite 201
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
← SAME
P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	RCRA metal	CPS1 + TCL SVOC + TICs	Pesticides						Check if chlorinated	
SC07216-01	TP-04-2.5'	5/8/15	1150	G	SO		1			X	X							☐	
02	TP-05-3'	5/8/15	1245	G	SO		1			X								☐	
03	TP-07-3'	5/8/15	1410	G	SO		1			X	X							☐	
04	TP-06-1.5'	5/8/15	1315	G	SO		1			X								☐	
05	MW-07	5/8/15	900	G	GW		1					X						☐	
06	TP-01-6'	5/8/15	945	G	SO		1											☐	HOLD
07	TP-02-3'	5/8/15	1020	G	SO		1											☐	HOLD
08	TP-02-5.5'	5/8/15	1030	G	SO		1											☐	HOLD
09	TP-03-2'	5/8/15	1120	G	SO		1											☐	HOLD
10	TP-04-1.5	5/8/15	1150	G	SO		1											☐	HOLD

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat B
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Ann Aquilina	UPS	5/8/15	1800	Observed 17.3
FedEx	JC	5/11/15	830	Correction Factor 0
				Corrected 17.3
				IR ID # 02

☒ EDD format: EQUIS
☒ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen
Melted

SC07216

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CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

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Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: dnoll@labellapc.com, aaquilina@labellapc.com, 300 State St Suite 201, Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
← SAME
P.O No.: 2150606 Quote/RQN:

Project No: 2150604
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=___ 12=___

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=___ X2=___ X3=___

G= Grab C=Compsite

List Preservative Code below:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis	Check if chlorinated	QA/QC Reporting Notes
SC07216-11	TP-05-1.5	5/8/15	1240	G	SO		1				☐	HOLD
12	TP-06-3'	5/8/15	1320	G	SO		1				☐	HOLD
13	TP-07-7'	5/8/15	1430	G	SO		1				☐	HOLD

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other:
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
An Qu	UPS	5/8/15	1800	Observed 17.3
UPS	TK	5/11/15	830	Correction Factor 0
				Corrected 17.3
				IR ID # 02

☒ EDD format: EQUIS
☒ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Relulted

PLACE SHIPPING LABEL
WITHIN BRACKETS

ANN AQUILINA
(585) 295-6289
THE UPS STORE #0165
THEUPSSTORELOCAL.COM/0165
2604 ELMWOOD AVE
ROCHESTER NY 14618-2295

37 LBS 1 OF 1
SHP WT: 37 LBS
DATE: 08 MAY 2015
AH

SHIP SPECTRUM ANALITICAL
TO: 11 ALMGREN DR

AGAWAM MA 01001-3831

MA 011 9-06

UPS EARLY A.M. 1+

TRACKING #: 1Z 2A8 101 15 1817 6674

BILLING: P/P

ISH 13.00N ZZP 450 63.5U 04/2015

PLACE SHIPPING LABEL
WITHIN BRACKETS

01113701 1/12 RRD

SC07216 Bg

CHAIN OF CUSTODY RECORD

SPECTRUM ANALYTICAL, INC.
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Page 1 of 2

Special Handling:

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Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
~~Ann Aquilina~~ aaquilina@labellapc.com
300 State St Suite 201
Rochester NY 14614

Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
← SAME

P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	RCRA metal	CPSI + TCL SVOC + TCL	Pesticides	Cadmium	Zinc					Check if chlorinated	
SC07216-01	TP-04-2.5'	5/8/15	~~1150~~ 12:00	G	SO		1			X	X								☐	Collection Time changed client notified
02	TP-05-3'	5/8/15	1245	G	SO		1			X									☐	Bn 5/11
03	TP-07-3'	5/8/15	1410	G	SO		1			X	X								☐	
04	TP-06-1.5'	5/8/15	1315	G	SO		1			X									☐	
05	MW-07	5/8/15	900	G	GW		1					X							☐	
06	TP-01-6'	5/8/15	945	G	SO		1												☐	HOLD
07	TP-02-3'	5/8/15	1020	G	SO		1												☐	HOLD
08	TP-02-5.5'	5/8/15	1030	G	SO		1												☐	HOLD
09	TP-03-2'	5/8/15	1120	G	SO		1						X						☐	~~HOLD~~ Run per
10	TP-04-1.5	5/8/15	1150	G	SO		1						X	X					☐	~~HOLD~~ client

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat B
State-specific reporting standards:

Bn 5/11

Relinquished by:	Received by:	Date:	Time:	Temp °C
AnyM	UPS	5/8/15	1800	Observed 11.3
Fedex	TIC	5/11/15	830	Correction Factor 0
				Corrected 11.3
				IR ID # 02

☒ EDD format: EQUIS
☒ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen
Melted

SC07216 By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling: 5/13 Pa client.

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: Dan Noll dnoll@labellapc.com
Ann Aquilina aaquilina@labellapc.com
300 State St Suite 201
Rochester NY 14614
Telephone #: 585-295-6110
Project Mgr: Dan Noll

Invoice To: Michelle Clausen
← SAME
P.O No.: 2150606 Quote/RQN:

Project No: 2150606
Site Name: Corning Hospital
Location: Corning State: NY
Sampler(s): Ann Aquilina

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11= 12=

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= X2= X3=

G= Grab C=Compsite

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☒ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ASP Cat B
State-specific reporting standards:

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	RCRA metal	CPSI + TCL SVOC + TCL	Pesticides	Cadmium	Zinc	Mercury	Lead	Check if chlorinated	Notes
SC07216-01	TP-04-2.5'	5/8/15	~~1150~~ 12:00	G	SO		1			X	X						☐	Collection Time changed client notified
02	TP-05-3'	5/8/15	1245	G	SO		1			X							☐	Bn 5/11
03	TP-07-3'	5/8/15	1410	G	SO		1			X	X						☐	
04	TP-06-1.5'	5/8/15	1315	G	SO		1			X							☐	
05	MW-07	5/8/15	900	G	GW		1					X					☐	
06	TP-01-6'	5/8/15	945	G	SO		1										☐	HOLD
07	TP-02-3'	5/8/15	1020	G	SO		1										☐	HOLD Bn 5/11
08	TP-02-5.5'	5/8/15	1030	G	SO		1								X	X	☐	~~HOLD~~ Run per client
09	TP-03-2'	5/8/15	1120	G	SO		1						X				☐	~~HOLD~~ Run per
10	TP-04-1.5	5/8/15	1150	G	SO		1						~~X~~	~~X~~			☐	Bn 5/11 Hold ~~HOLD~~ client

Relinquished by:	Received by:	Date:	Time:	Temp °C
AnAqu	UPS	5/8/15	1800	Observed 17.3
UPS	[illegible]	5/11/15	830	Correction Factor 0
				Corrected 17.3
				IR ID# 02

☒ EDD format: EQUIS Bn 5/11
☒ E-mail to: aaquilina@labellapc.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Melted

11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com

Rev. Jan 2014

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

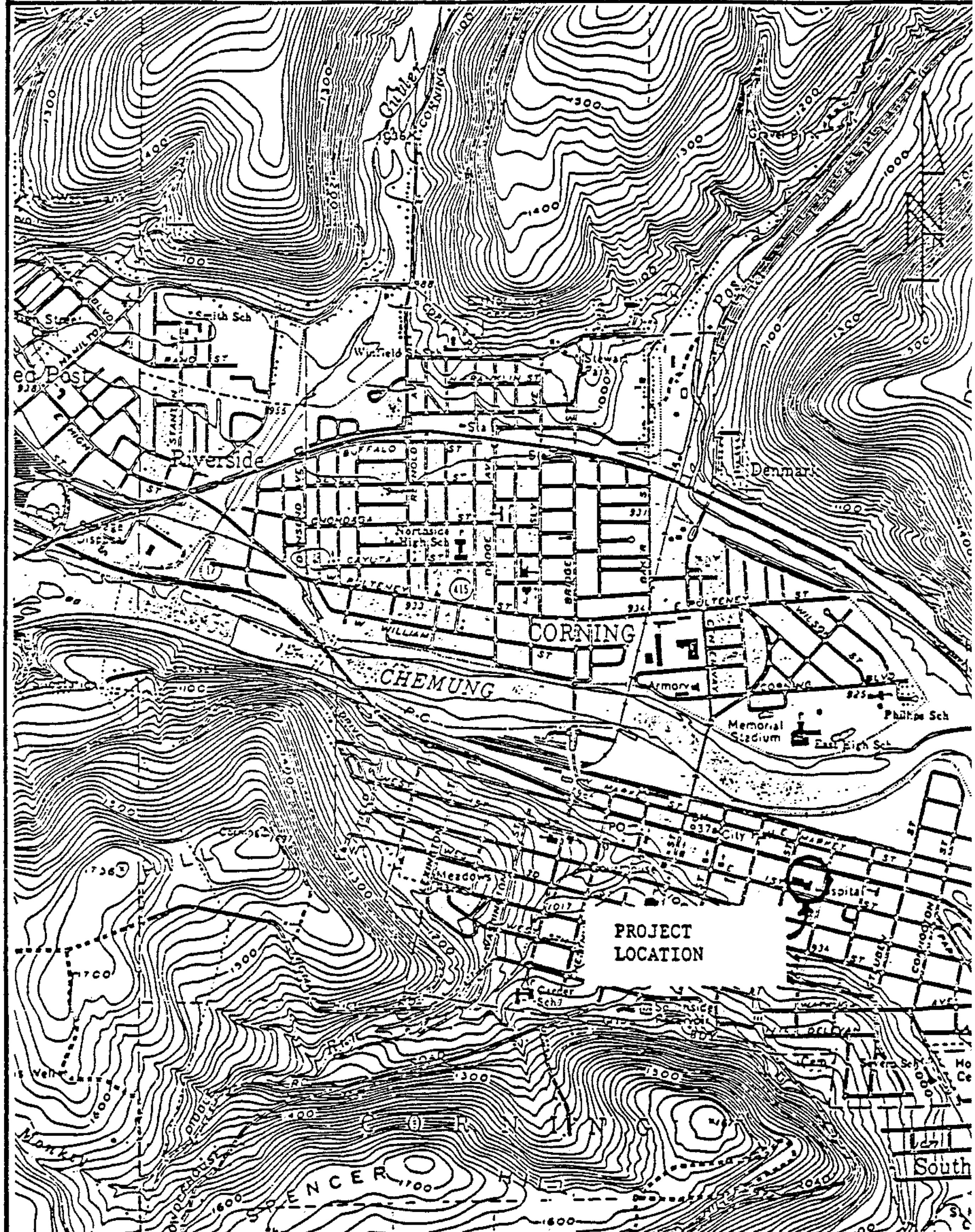
APPENDIX 3

1991 Soil Boring Report Appendices

APPENDIX I

SITE LOCATION MAP

SITE LOCATION MAP



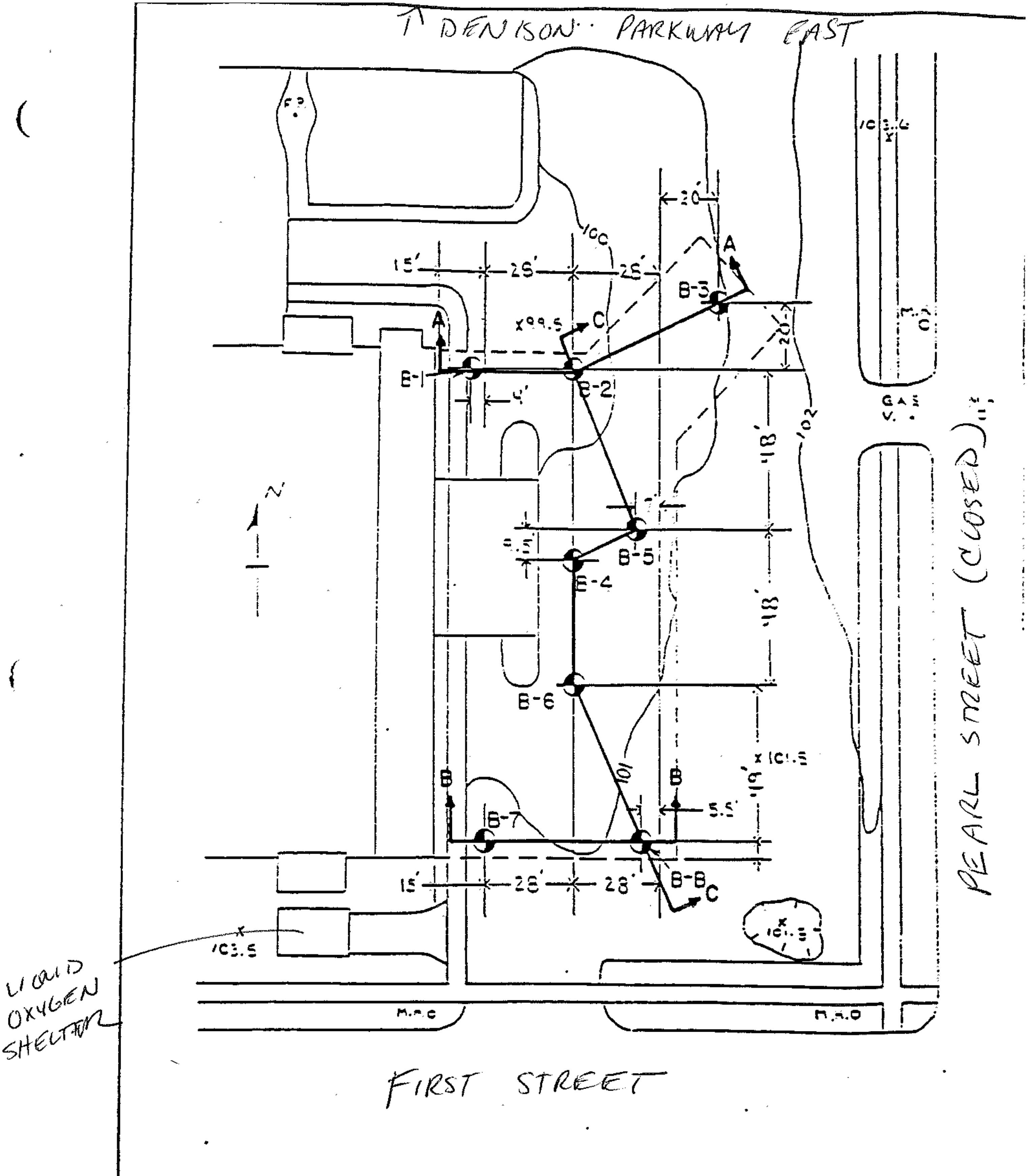
PROJECT No.	SCALE:	U.S.G.S. QUADRANT:
ETCD1150 - Corning Hospital Addition	1:24,000	Corning, NY

DEC 11 1991

APPENDIX II

BORING LOCATION PLAN

DEC 11 1991



BORING LOCATION PLAN	SCALE Not-To-Scale	PROJECT No. ETCD1150	DATE 4-18-9:
Corning Hospital Addition Corning, NY	ATLANTIC TESTING LABORATORIES, Limi CANTON NY BURLINGTON VT	CICERO NY UTICA NY	ENDICOTT MANCHESTE

APPENDIX III

SOIL BORING LOGS

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT: Corning Hospital, Corning, NY

Location of Boring: See Plan

PROJECT: Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/18/91 Finish 4/18/91

Boring No. B-1 Sheet 1 of 2

Casing Hammer: Wt ____ lbs. Fall ____ in.

Sampler Hammer: Wt 140 lbs. Fall 30 in. Casing ____

Ground Elev. 101.0'±

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/18/91	PM	19.0'	32.0'
4/18/91	PM	10.0'	Caved at

DEPTH	CASING BLOWS/FT.	SAMPLE NO.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f-fine, m-medium, c-coarse; and — 35-50%, some — 20-35%, little — 10-20%, trace — 0-10%)	STANDARD PENETRATION
	AUGER		0.0	0.4	AUGER		0.4'	ASPHALT	
			0.4	1.0	AUGER		1.0'	Brown cmf GRAVEL; and cmf SAND	
		1	1.0	3.0	ss	5 / 5 / 2 / 2	3.0'	Dark Brown cmf GRAVEL; and cmf SAND; trace SILT (moist, non-plastic) Possible Fill	
		2	3.0	5.0	ss	2 / 6 / 13 / 17	5.0'	Brown cmf GRAVEL; and cmf SAND; little SILT; trace CLAY (moist, slightly plastic)	
		3A	5.0	7.0	ss	4 / 6	6.0'	Tan cmf SAND; some SILT; little f GRAVEL; trace CLAY (wet, slightly plastic)	
		3B				8 / 10	7.0'	Brown cmf GRAVEL; and cmf SAND; little SILT (wet, non-plastic)	
		4	7.0	8.5	ss	8 / 10 / 30		Brown cmf GRAVEL; and cmf SAND; trace SILT (wet, non-plastic)	
		5	9.0	11.0	ss	8 / 11 / 11 / 11		Similar Soils (saturated, non-plastic)	
		6	15.0	17.0	ss	17 / 25 / 25 / 27		Similar Soils (saturated)	
		7	20.0	22.0	ss	18 / 28 / 25 / 25		Similar Soils	

SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-1 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL f - fine, m - medium, c - coarse and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%	STANDARD PENETRATION
	AUGER	8	25.0	27.0	ss	25		Similar Soils	
						27			
						28			
						35			
		9	30.0	32.0	ss	18		Similar Soils	
						24			
						29			
						33			
								Boring Terminated at 32.0'	

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limite

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT: Corning Hospital, Corning, NY

Location of Boring: See Plan

PROJECT: Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/18/91 Finish 4/18/91

Boring No. B-2 Sheet 1 of 2

Casing Hammer
Wt ______ lbs.
Fall ______ in.

Sampler Hammer
Wt 140 lbs.
Fall 30 in.
Casing ______

Ground Elev. 101.0'±

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/18/91	PM	20.0'	32.0'
4/18/91	PM	13.0'	Caved at 1

DEPTH	CASING BLOWS/FT	SAMPLE NO.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f-fine, m-medium, c-coarse; and — 35-50%, some — 20-35%, little — 10-20%, trace — 0-10%)	STANDARD PENETRATION
	AUGER		0.0	0.4	AUGER		0.4'	ASPHALT	
			0.4	1.0	AUGER		1.0'	Brown cmf GRAVEL; and cmf SAND	
		1	1.0	3.0	ss	18, 18, 12, 12	3.0'	Dark Brown cmf GRAVEL; and cmf SAND; trace SILT (very small amount of Glass and Coal) FILL	
		2	3.0	5.0	ss	10, 8, 10, 10	5.0'	Brown cmf GRAVEL; and cmf SAND; trace SILT (moist, non-plastic) Possible Fill	
		3	5.0	7.0	ss	12, 12, 8, 9	7.0'	Tan cmf GRAVEL; and cmf SAND; little SILT; trace CLAY (moist, slightly plastic) Possible Fill	
		4	7.0	9.0	ss	6, 8, 11, 8	9.0'	Brown cmf GRAVEL; and cmf SAND; little SILT; trace CLAY (very small amount Coal) (moist, slightly plastic) Possible Fill	
		5	9.0	11.0	ss	6, 6, 8, 11	13.0'	Similar Soils (wet, non-plastic) smaller proportions of SILT and CLAY; no evidence of FILL (wet, non-plastic)	
		6	15.0	17.0	ss	19, 18, 20, 54		Brown cmf GRAVEL; and cmf SAND; trace SILT (saturated, non-plastic)	
		7	20.0	22.0	ss	17, 27, 40, 35		Similar Soils	

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SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-2 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f - fine, m - medium, c - coarse; and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%)
	AUGER	8	25.0	27.0	ss	16		Similar Soils
						21		
						26		
						29		
		9	30.0	32.0	ss	21		Similar Soils
						28		
						37		
						29		
								Boring Terminated at 32.0'

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT Corning Hospital
Corning, NY

Location of Boring See Plan

PROJECT Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/18/91 Finish 4/18/91

Boring No. B-3 Sheet 1 of 2

Casing Hammer Wt ____ lbs. Fall ____ in.

Sampler Hammer Wt 140 lbs. Fall 30 in. Casing ____

Ground Elev. 101.0±

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/18/91	AM	19.0	32.0'
4/18/91	AM	14.5'	Caved at

DEPTH	CASING BLOWS/FT.	SAMPLE NO.	DEPTH OF SAMPLE FROM	TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f–fine, m–medium, c–coarse; and –35–50%, some –20–35%, little –10–20%, trace – 0–10%)	STANDARD PENETRATION
	AUGER		0.0	0.3	AUGER		0.3'	ASPHALT	
			0.3	1.0	AUGER		1.0'	Brown cmf GRAVEL; and cmf SAND	
		1	1.0	3.0	ss	5 / 5 / 4 / 4	3.0'	Brown cmf GRAVEL; and cmf SAND; little SILT (moist, non-plastic) FILL	
		2	3.0	5.0	ss	4 / 4 / 4 / 5	5.0'	Brown cmf GRAVEL; and cmf SAND; little SILT (Glass, Ashes, Coal) (moist, non-plastic) FILL	
		3	5.0	7.0	ss	8 / 9 / 7 / 9	7.0'	Tan cmf SAND; and cmf GRAVEL; some SILT (moist)	
		4	7.0	9.0	ss	4 / 4 / 5 / 6		Brown cmf GRAVEL; and cmf SAND; little SILT (wet, non-plastic)	
		5	9.0	11.0	ss	8 / 8 / 13 / 13		Similar Soils (saturated, non-plastic)	
		6	15.0	17.0	ss	15 / 21 / 30 / 36		Similar Soils	
		7	20.0	22.0	ss	16 / 35 / 35 / 40		Brown cmf GRAVEL; some cmf SAND; little SILT (saturated, non-plastic)	

DEC 11 1991

SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-3 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f - fine, m - medium, c - coarse; and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%)	STANDARD
	AUGER	8	25.0	27.0	ss	22		Similar Soils	
						11			
						8			
						9			
		9	30.0	32.0	ss	19		Similar Soils	
						19			
						11			
						18			
								Boring Terminated at 32.0'	

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT: Corning Hospital
Corning, NY

Location of Boring: See Plan

PROJECT: Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/17/91 Finish 4/17/91

Boring No. B-4 Sheet 1 of 1

Casing Hammer: Wt ____ lbs. Fall ____ in.

Sampler Hammer: Wt 140 lbs. Fall 30 in. Casing ____

Ground Elev. 101.0'

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/17/91	PM	22.0'	32.0'
4/17/91	PM	13.0'	Caved at

Depth	Casing Blows/Ft.	Sample No.	Depth of Sample From	To	Type Sample	Blows on Sampler per 6" Sampler O.D. 2"	Depth of Change	Classification of Material (f-fine, m-medium, c-coarse; and 35-50%, some 20-35%, little 10-20%, trace 0-10%)	Standard Penetration
	AUGER		0.0	0.3	AUGER		0.3'	ASPHALT	
			0.3	1.0	AUGER		1.0'	Brown cmf GRAVEL; and cmf SAND	
		1	1.0	3.0	ss	13, 8, 8, 4	3.0'	Blackish-Brown cmf SAND; and cmf GRAVEL; some SILT (moist, non-plastic) Possible Fill	
		2	3.0	5.0	ss	2, 3, 4, 7	5.0'	Tan cmf SAND; some SILT; some cmf GRAVEL (moist, non-plastic)	
		3	5.0	7.0	ss	8, 12, 12, 14	7.0'	Brown cmf SAND; and cmf GRAVEL; some SILT; trace CLAY (moist, very slightly plastic) Probable Fill	
		4	7.0	9.0	ss	7, 7, 11, 7		Brown cmf GRAVEL; and cmf SAND; little SILT (moist, non-plastic)	
		5	9.0	11.0	ss	13, 15, 13, 15		Similar Soils (wet, non-plastic)	
		6	15.0	17.0	ss	16, 15, 20, 22		Brown cmf GRAVEL; some cmf SAND; little SILT (saturated, non-plastic)	
		7	20.0	22.0	ss	15, 17, 18, 9		Similar Soils	

DEC 11 1991

SS — SPLIT SPOON SAMPLE
U — UNDIS SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS: Mike Hawkins, Paul McAloon

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-4 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL f - fine, m - medium, c - coarse and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%	STANDARD
	AUGER	8	25.0	27.0	ss	18		Similar Soils	
						19			
						19			
						23			
		9	30.0	32.0	ss	26		Similar Soils	
						29			
						33			
						39			
								Boring Terminated at 32.0'	

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT Corning Hospital
Corning, NY

Location of Boring See Plan

PROJECT Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/18/91 Finish 4/18/91

Boring No. B-5 Sheet 1 of 2

Casing Hammer: Wt ____ lbs. Fall ____ in.

Sampler Hammer: Wt 140 lbs. Fall 30 in. Casing ____

Ground Elev. 101.0±

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/18/91	AM	Dry	28.0'
4/18/91	AM	13.3'	Caved at

DEPTH	CASING BLOWS/FT	SAMPLE NO.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f-fine, m-medium, c-coarse; and — 35–50%, some — 20–35%, little — 10–20%, trace — 0–10%)	STANDARD PENETRATION
			0.0	0.3	AUGER		0.3'	ASPHALT	
			0.3	1.0	AUGER		1.0'	Brown cmf GRAVEL; and cmf SAND	
		1	1.0	3.0	ss	10		Brown cmf GRAVEL; anc cmf SAND; little SILT (little Glass, Coal, Brick) (moist, non-plastic) FILL	
						9			
						5			
						7	3.0'		
		2	3.0	5.0	ss	5		Tan f SAND; some SILT; trace CLAY (moist, slightly plastic)	
						4			
						4			
						4	5.0'		
		3	5.0	7.0	ss	5		Tannish-Brown cmf GRAVEL; and cmf SAND; some SILT; trace CLAY (moist, slightly plastic)	
						7			
	AUGER					11			
						13			
		4	7.0	9.0	ss	11		Similar Soils	
						6			
						8			
						8			
		5	9.0	11.0	ss	7		Similar Soils	
						8			
						6			
						16	13.0'		
		6	15.0	17.0	ss	10		Brown cmf GRAVEL; some cmf SAND; trace SILT (saturated, non-plastic)	
						15			
						20			
						17			
		7	20.0	22.0	ss	19		Similar Soils	
						33			
						16			
						15			

DEC 11 1991

SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-5 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f - fine, m - medium, c - coarse; and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%)	STANDARD PENETRATION
	AUGER	8	25.0	27.0	ss	18		Similar Soils	
						23			
						24			
						29			
								Boring Terminated at 28.0'	
								COBBLES and BOULDERS encountered from 23.0' to 28.0'.	
								Auger refusal encountered at 28.0'	

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limite

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-9

CLIENT Corning Hospital
Corning, NY

Location of Boring See Plan

PROJECT Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/17/91 Finish 4/17/91

Boring No. B-6 Sheet 1 of 2

Casing Hammer: Wt ______ lbs. Fall ______ in.

Sampler Hammer: Wt 140 lbs. Fall 30 in.

Casing ______

Ground Elev. 101.0'

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/17/91	AM	15.3'	32.0'
4/18/91	AM	14.8'	Caved at

DEPTH	CASING BLOWS/FT.	SAMPLE NO.	DEPTH OF SAMPLE FROM	TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f-fine, m-medium, c-coarse; and — 35-50%, some — 20-35%, little — 10-20%, trace — 0-10%)	STANDARD PENETRATION
	AUGER		0.0	0.3	AUGER		0.3'	ASPHALT	
			0.3	1.0	AUGER		1.0'	Brown cmf GRAVEL; and cmf SAND	
		1	1.0	3.0	ss	13 / 7 / 4 / 3	3.0'	Brown cmf SAND; and cmf GRAVEL; little SILT (moist, non-plastic) Probable Fill	
		2	3.0	5.0	ss	3 / 3 / 3 / 4	5.0'	Brown f SAND and SILT; trace f GRAVEL (moist, non-plastic) No recovery with spoon, recovered with auger; Probable Fill	
		3	5.0	7.0	ss	3 / 6 / 6 / 7	7.0'	Tan SILT; some f SAND; trace CLAY (moist, very slightly plastic)	
		4	7.0	9.0	ss	10 / 7 / 10 / 9		Brown cmf GRAVEL; and cmf SAND; little SILT; trace CLAY (moist, slightly plastic)	
		5	9.0	11.0	ss	8 / 6 / 8 / 9	13.0'	Similar Soils (wet, slightly plastic)	
		6	15.0	17.0	ss	8 / 9 / 21 / 24	18.5'	Brown cmf GRAVEL; and cmf SAND; trace SILT; trace CLAY (saturated, non-plastic)	
		7	20.0	22.0	ss	41 / 19 / 11 / 11		Brown cmf GRAVEL; and cmf SAND; little SILT (saturated, non-plastic)	

DEC 11 1991

SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

D-1

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-6 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f - fine, m - medium, c - coarse; and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%)	STANDARD
	AUGER	8	25.0	27.0	ss	15		Brown cmf GRAVEL; some cmf SAND; little SILT (saturated, non-plastic)	
						14			
						14			
						20			
		9	30.0	32.0	ss	70		Similar Soils	
						65			
						43			
						39			
								Boring Terminated at 32.0'	

DEC 11 1991

D-2

ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT Corning Hospital
Corning, NY

Location of Boring See Plan

PROJECT Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/17/91 Finish 4/17/91

Boring No. B-7 Sheet 1 of 2

Ground Water Observations

Date	Time	Depth	Casing at
4/17/91	PM	20.0'	32.0'
4/17/91	PM	15.0'	Caved at 1

Casing Hammer Wt ______ lbs. Fall ______ in.

Sampler Hammer Wt 140 lbs. Fall 30 in. Casing ______

Ground Elev. 101.0±

H.S. Auger 4-1/4" I.D.

DEPTH	CASING BLOWS/FT.	SAMPLE NO.	DEPTH OF SAMPLE FROM	TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f-fine, m-medium, c-coarse; and — 35-50%, some — 20-35%, little — 10-20%, trace — 0-10%)	STANDARD PENETRATION
			0.0	0.3	AUGER		0.3	ASPHALT	
			0.3	1.0	AUGER		1.0	Brown cmf SAND; and cmf GRAVEL	
		1	1.0	3.0	ss	7 / 7 / 7 / 3	3.0'	Brown mf GRAVEL; and cmf SAND; little SILT (Coal and Brick) (moist, non-plastic) FILL	
		2	3.0	5.0	ss	2 / 5 / 7 / 6	5.0'	Brown mf SAND; some SILT; little mf GRAVEL (moist, non-plastic) Possible Fill	
	AUGER	3	5.0	7.0	ss	3 / 3 / 3 / 5	7.0'	Tan SILT; some f SAND; trace CLAY (moist, slightly plastic)	
		4	7.0	9.0	ss	3 / 7 / 10 / 15	9.0'	Tannish-Brown SILT; some mf GRAVEL; some f SAND; trace CLAY (moist, slightly plastic)	
		5	9.0	11.0	ss	13 / 15 / 17 / 21	13.5'	Brown cmf GRAVEL; and cmf SAND; some SILT (moist, non-plastic)	
		6	15.0	17.0	ss	9 / 19 / 23 / 20		Brown cmf GRAVEL; and cmf SAND; little SILT (saturated, non-plastic)	
		7	20.0	22.0	ss	26 / 30 / 26 / 29		Brown cmf GRAVEL; some cmf SAND; little SILT (saturated, non-plastic)	

DEC 11 1991

SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

0-1

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-7 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f - fine, m - medium, c - coarse; and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%)	STANDARD
	AUGER	8	25.0	27.0	ss	73		No Recovery	
						100			
						Bouncing			
		9	30.0	32.0	ss	24		Similar Soils	
						28			
						33			
						36			
								Boring Terminated at 32.0'	

DEC 11 1991

ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

CLIENT: Corning Hospital, Corning, NY

Location of Boring: See Plan

PROJECT: Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NY

Date, start 4/18/91 Finish 4/18/91

Boring No. B-8 Sheet 1 of 2

Casing Hammer: Wt ____ lbs. Fall ____ in.

Sampler Hammer: Wt 140 lbs. Fall 30 in. Casing ____

Ground Elev. 101.0±

H.S. Auger 4-1/4" I.D.

Ground Water Observations

Date	Time	Depth	Casing at
4/18/91	AM	14.9'	32.0'
4/18/91	AM	15.0'	Caved at 1

DEPTH	CASING BLOWS/FT.	SAMPLE NO.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER 6" SAMPLER O.D. 2"	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f-fine, m-medium, c-coarse; and — 35-50%, some — 20-35%, little — 10-20%, trace — 0-10%)	STANDARD PENETRATION
	AUGER		0.0	0.3	AUGER		0.3'	ASPHALT	
			0.3	1.0	AUGER		1.0'	Brown cmf SAND; and cmf GRAVEL	
		1	1.0	3.0	ss	15 / 14 / 11 / 9		Brown cmf GRAVEL; and cmf SAND; little SILT (moist, non-plastic) FILL	
		2	3.0	5.0	ss	14 / 9 / 8 / 4	5.0'	Similar Soils (moist, non-plastic) FILL	
		3	5.0	7.0	ss	6 / 10 / 15 / 16	7.0'	Brown cmf SAND; some mf GRAVEL; little SILT (Black Organics, Wood, Brick) (moist, slightly plastic) FILL	
		4	7.0	9.0	ss	14 / 14 / 12 / 16	9.0'	Brown cmf GRAVEL; some cmf SAND; little SILT (moist, non-plastic) Probable Fill	
		5	9.0	11.0	ss	13 / 8 / 9 / 20	15.0'	Brown cmf GRAVEL; some cmf SAND; little SILT; little CLAY (moist, slightly plastic)	
		6	15.0	17.0	ss	40 / 65 / 22 / 33		Brown cmf GRAVEL: some cmf SAND; little SILT (saturated, non-plastic)	
		7	20.0	22.0	ss	22 / 15 / 17 / 15		Similar Soils	

DEC 11 1991

SS — SPLIT SPOON SAMPLE
U — UNDIS. SHELBY TUBE
P — PISTON TYPE SAMPLE

DRILLERS Mike Hawkins, Paul McAloon

ATLANTIC TESTING LABORATORIES, Limited

BORING No. B-8 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

DEPTH	CASING BLOWS/FT.	SAMPLE No.	DEPTH OF SAMPLE FROM	DEPTH OF SAMPLE TO	TYPE SAMPLE	BLOWS ON SAMPLER PER ___ SAMPLER O.D. ___	DEPTH OF CHANGE	CLASSIFICATION OF MATERIAL (f - fine, m - medium, c - coarse; and - 35-50%, some - 20-35%, little - 10-20%, trace - 0-10%)	STANDARD PENETRATION
	AUGER	8	25.0	27.0	ss	15 / 8 / 15 / 22		Similar Soils	
	AUGER	9	30.0	32.0	ss	11 / 16 / 20 / 17		Similar Soils	
								Boring Terminated at 32.0'	

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APPENDIX IV

SUBSURFACE PROFILES

DEC 11 1991

ETC01150 CORNING HOSPITAL ADDITION

STANDARD PENETRATION TESTING RESULTS

*NOTE. VALUES PROVIDED REPRESENT BLOW COUNTS FOR SIX INCH ADVANCEMENT OF A SPLIT BARREL SAMPLER

SECTION A-A

1.3' PAVEMENT STRUCTURE (ASPHALT AND GRANULAR FILL)

GRANULAR FILL

SANDY SILTY GRAVEL

ELEVATION	B-1	DEPTH	B-2	DEPTH	B-3	ELEVATION
101		0		0		101
100	5, 5, 2, 2	1	18, 18, 12, 12	1	5, 5, 4, 4	100
99		2		2		99
98	2, 6, 13, 17	3	10, 8, 10, 10	3	4, 4, 4, 5	98
97		4		4		97
96	4, 6, 8, 10	5	12, 12, 8, 9	5	8, 9, 7, 9	96
95		6		6		95
94	8, 10, 30	7	6, 8, 11, 8	7	4, 4, 5, 6	94
93		8		8		93
92	8, 11, 11, 11	9	6, 6, 8, 11	9	8, 8, 13, 13	92
91		10		10		91
90		11		11		90
89		12		12		89
88		13		13		88
87		14		14		87
86	17, 25, 25, 27	15	19, 18, 20, 54	15	15, 21, 30, 36	86
85		16		16		85
84		17		17		84
83		18		18		83
82		19		19		82
81	18, 28, 25, 25	20	17, 27, 40, 35	20	16, 35, 35, 40	81
80		21		21		80
79		22		22		79
78		23		23		78
77		24		24		77
76	25, 27, 28, 35	25	16, 21, 26, 29	25	22, 11, 8, 9	76
75		26		26		75
74		27		27		74
73		28		28		73
72		29		29		72
71	18, 24, 29, 33	30	21, 28, 37, 29	30	19, 19, 11, 18	71
70		31		31		70
69		32		32		69

NOTE: The subsurface conditions depicted above are interpolated from soil boring data. Actual subsurface conditions may vary from those shown here.

DEC 11 1991

ETC01150 CORNING HOSPITAL ADDITION

STANDARD PENETRATION TESTING RESULTS

*NOTE: VALUES REPRESENT BLOW COUNTS FOR A SIX INCH ADVANCEMENT OF A SPLIT BARREL SAMPLER

SECTION B-B

ELEVATION	B-7	DEPTH	B-8	ELEVATION
101		0		101
		1.3' PAVEMENT STRUCTURE (ASPHALT AND GRANULAR FILL)		
100	7	1	15	100
	7		14	
99	7	2	11	99
	3	GRANULAR FILL	9	
98	2	3	14	98
	5		9	
97	7	4	8	97
	6		4	
96	3	5	6	96
	3		10	
95	3	6	15	95
	5	SILTY SANDY GRAVEL	16	
94	3	7	14	94
	7		14	
93	10	8	12	93
	15		16	
92	13	9	13	92
	15		8	
91	17	10	9	91
	21		20	SILTY SANDY GRAVEL
90		11		90
89		12		89
88		13		88
87		14		87
86	9	15	40	86
	19		65	
85	23	16	22	85
	20		33	
84		17		84
83		18		83
82		19		82
81	26	20	22	81
	30		15	
80	26	21	17	80
	29		15	
79		22		79
78		23		78
77		24		77
76	73	25	15	76
	100		8	
75	BOUNCING	26	15	75
			22	
74		27		74
73		28		73
72		29		72
71	24	30	11	71
	28		16	
70	33	31	20	70
	36		17	
69		32		69

DEC 11 1991

NOTE: The subsurface conditions depicted above are interpolated from soil boring data. Actual subsurface conditions may vary from those shown here.

ETCO11SO CORNING HOSPITAL ADDITION

STANDARD PENETRATION TESTING RESULTS

*NOTE: VALUES PROVIDED REPRESENT BLOW COUNTS FOR SIX INCH ADVANCEMENT OF A SPLIT BARREL SAMPLER

SECTION C-C

ELEVATION	B-2	B-5	DEPTH	B-4	B-6	B-8	ELEVATION
101	-		0				101
			1.3' PAVEMENT STRUCTURE (ASPHALT AND GRANULAR FILL)				
100	18	10	1	13	13	15	100
	18	9		8	7	14	
99	12	5	2	8	4	11	99
	12	7	GRANULAR FILL	4	3	9	
98	10	3	3	2	3	14	98
	8	4		3	3	9	
97	10	4	4	4	3	8	97
	10	4		7	4	4	
96	12	5	5	8	3	8	96
	12	7		12	8	10	
95	8	11	6	12	8	15	95
	9	13	SANDY SILTY GRAVEL	14	7	18	
94	6	11	7	7	10	14	94
	8	6		7	7	14	
93	11	8	8	11	10	12	93
	8	8		7	9	18	
92	6	7	9	13	8	13	92
	6	8		15	6	8	
91	8	8	10	13	8	9	91
	11	16		15	9	20	
90			11				90
89			12				89
88			13				88
87			14				87
86	19	10	15	18	8	40	86
	18	15		15	9	85	
85	20	20	16	20	21	22	85
	54	17		22	24	33	
84			17				84
83			18				83
82			19				82
81	17	19	20	15	41	22	81
	27	33		17	19	15	
80	40	16	21	18	11	17	80
	35	15		9	11	15	
79			22				79
78			23				78
77			24				77
76	16	18	25	18	15	15	76
	21	23		19	14	8	
75	28	24	26	19	14	15	75
	29	29		23	20	22	
74			27				74
73			28				73
72			29				72
71	21		30	28	70	11	71
	28			29	85	18	
70	37		31	33	43	20	70
	29			39	39	17	
69			32				69

NOTE: The subsurface conditions depicted above are interpolated from soil boring data. Actual subsurface conditions may vary from those shown here.

DEC 1 1 1991

APPENDIX 4

Test Pit Photograph Log

TP-01

TP-01

TP-01: Glass bottle

TP-02: Ash, cinders, brick

TP-02: Ceramic, brick, metal

TP-02: Ash, cinders, brick, concrete

TP-03: White ash

TP-03: Wood, metal

TP-04: Brick, metal, ash, and cinders

TP-04: Apparent concrete foundation

TP-04: Brick, metal, ash and cinders

TP-05: Wood

TP-05: Brick, ash, cinders, concrete, ceramic

TP-05: Brick, ash, cinders, concrete, ceramic

TP-06: White ash, brick

TP-06: Glass

TP-06: Brick, ceramic

TP-07: Brick, ash, cinders

TP-07: Ash, cinders, brick, concrete

TP-07: Brick, ceramic, glass pieces, ash,

TP-07: Brick, metal, clay jug, ceramic, glass pieces, glass bottles