

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 May, 2015

Relationships, Resources, Results.

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

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.

176 Denison Parkway East:

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.

Soil Boring Report 1991

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.

Phase I Environmental Hazard Audit 1991

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)	Х		Х	Х	Х	Х	Х	
2	Three former gasoline filling stations	Х	Х	Х					
3	In ground lifts and trench drain		Х						
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	Х							
8	Potential UST								Х
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 (μ g/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.

LaBella Project No. 2150606

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 miniexcavator 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)

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- 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

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

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210 Denison Parkway East (rear)	-							
	SB-17	2.5-3.5		Х	Х			
201 East First Street	SB-17 6-8			Х	Х			
	SB-18	1-3	Х					
T	OTAL		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		
	*MW-01	11-16								
	*MW-02	6-11								
	MW-03	7.5-17.5	Х							
176 Denison Parkway East	MW-04	9-19	Х							
170 Demson Farkway East	MW-07	8-18	Х	Х	Х	Х	Х	Х		
	MW-11	7-17	Х							
	MW-13	12-22	Х							
	Sump-1	-	Х							
122 Davis an Davis France	MW-05	15-25	Х							
132 Denison Parkway East	MW-06	15-25	Х							
129 Chemung Street	_	-								
144 East First Street	MW-12	12-22	Х							
Former Pearl Street	-	-								
202 Denison Parkway East	MW-08	9-19	Х							
210 Denison Parkway East	-	-								
210 Denison Parkway East (rear)	-	-								
201 East Einst Stuast	MW-09	8-18	Х							
201 East First Street	MW-10	9-19	Х							
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:

- **Former Gasoline filling station in the northeast corner** 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.
- **Former and Existing UST** 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.
- **Potential historic petroleum spill** 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.
- **Former Waste Storage & Laundry Area** 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.
- **Former Railroad** 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.

132 Denison Parkway East

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:

• Former Gasoline Filling Station

<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.

- <u>Former Pump Island-</u> 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.
- <u>In Ground Lifts-</u> 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.
- <u>General Site Coverage-</u>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

• <u>Former Adjacent Property Use as Gasoline Filling Station</u>- 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.

<u>144 East First Street</u>

• <u>Apparent UST-</u> 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

• <u>Former Adjacent Property Use as Gasoline Filling Station-</u>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

• <u>Former Railroad</u>- 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

• <u>Former Railroad-</u>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.

<u>201 East First Street</u>

• <u>Former Gasoline Filling Station-</u>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, barium, 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

<u>Soil</u>

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

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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:

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Ann Aquilina Environmental Engineer

Report Reviewed By:

NI

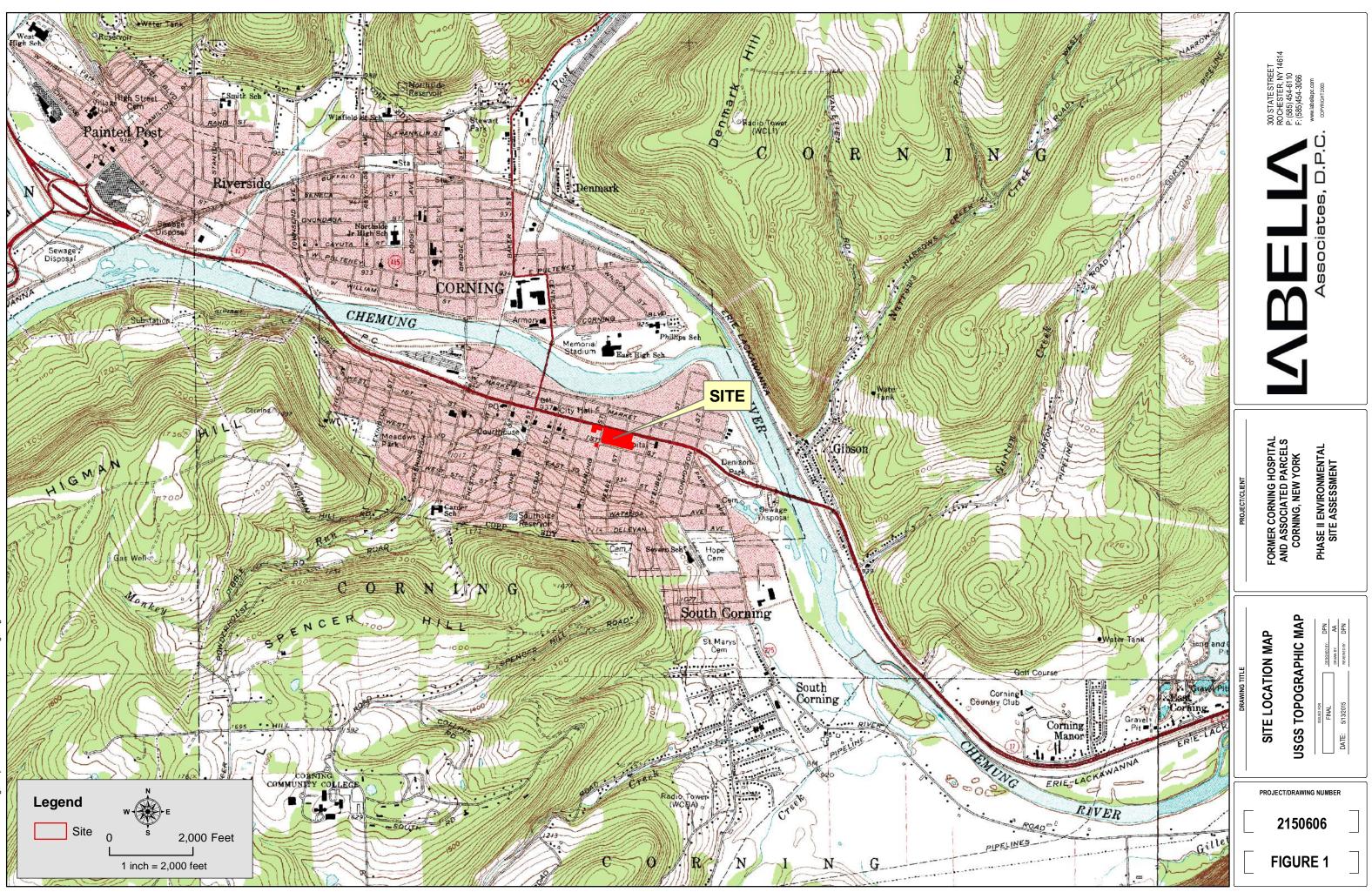
Daniel P. Noll, P.E. Project Manager

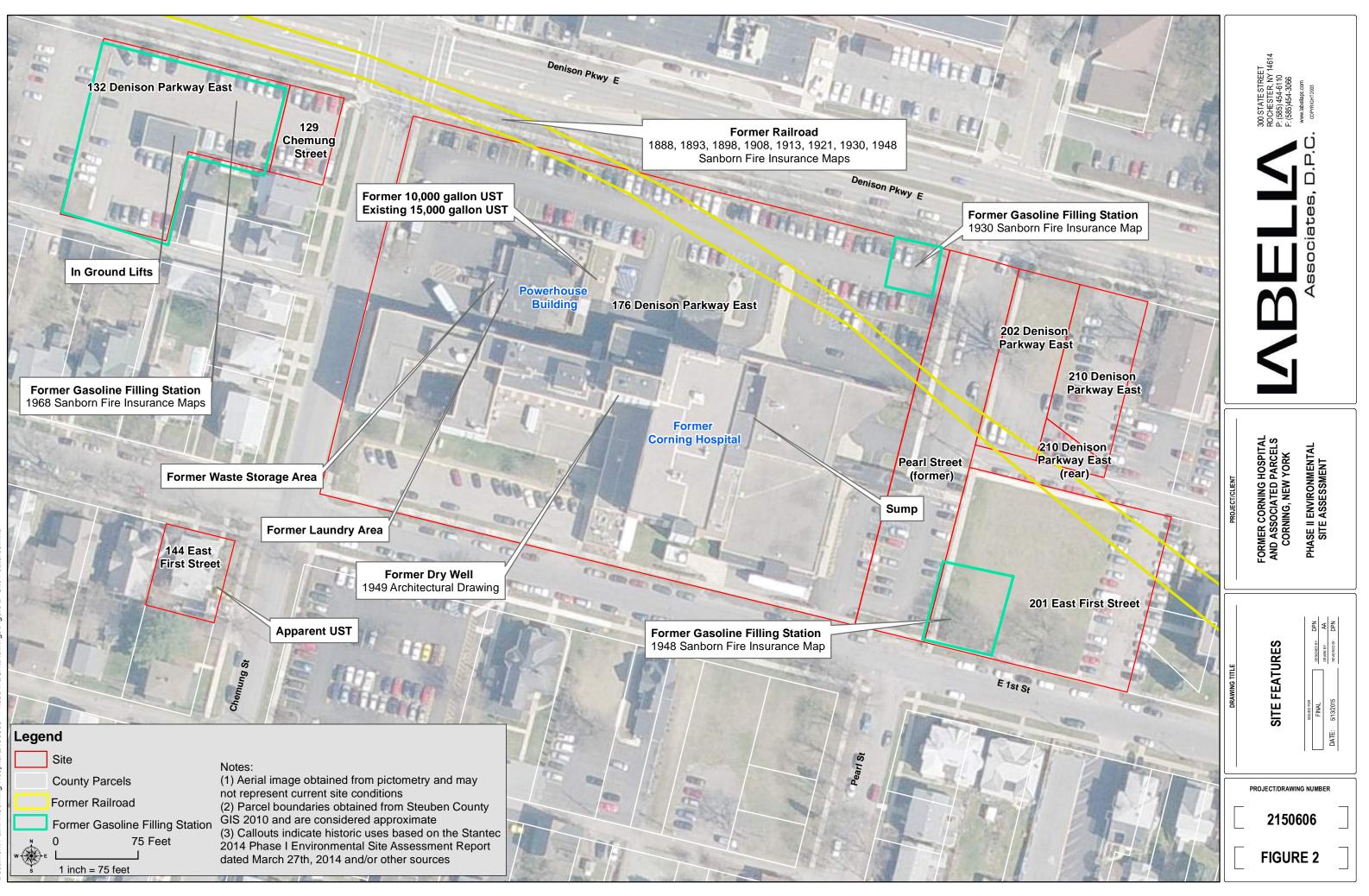
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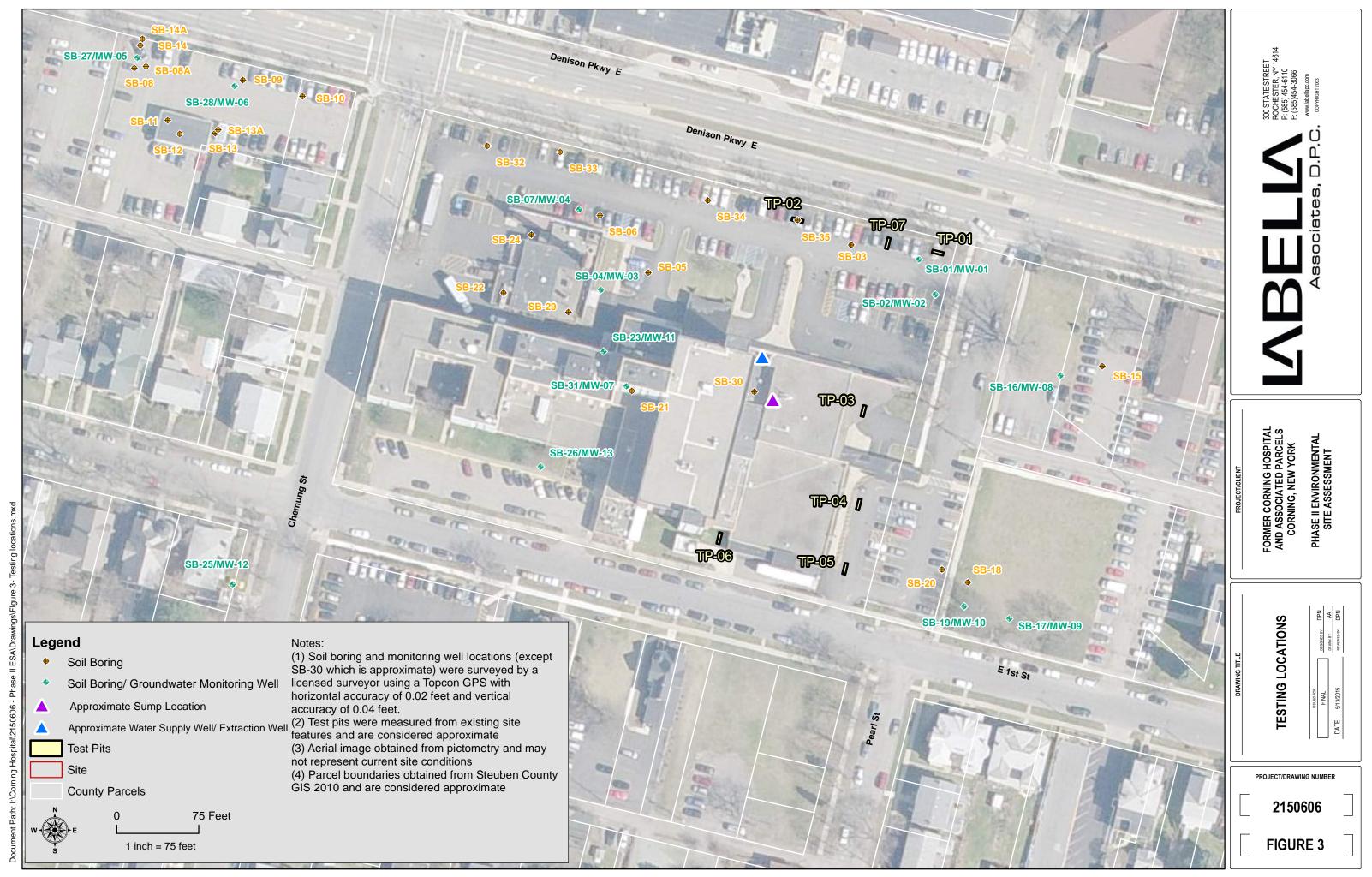


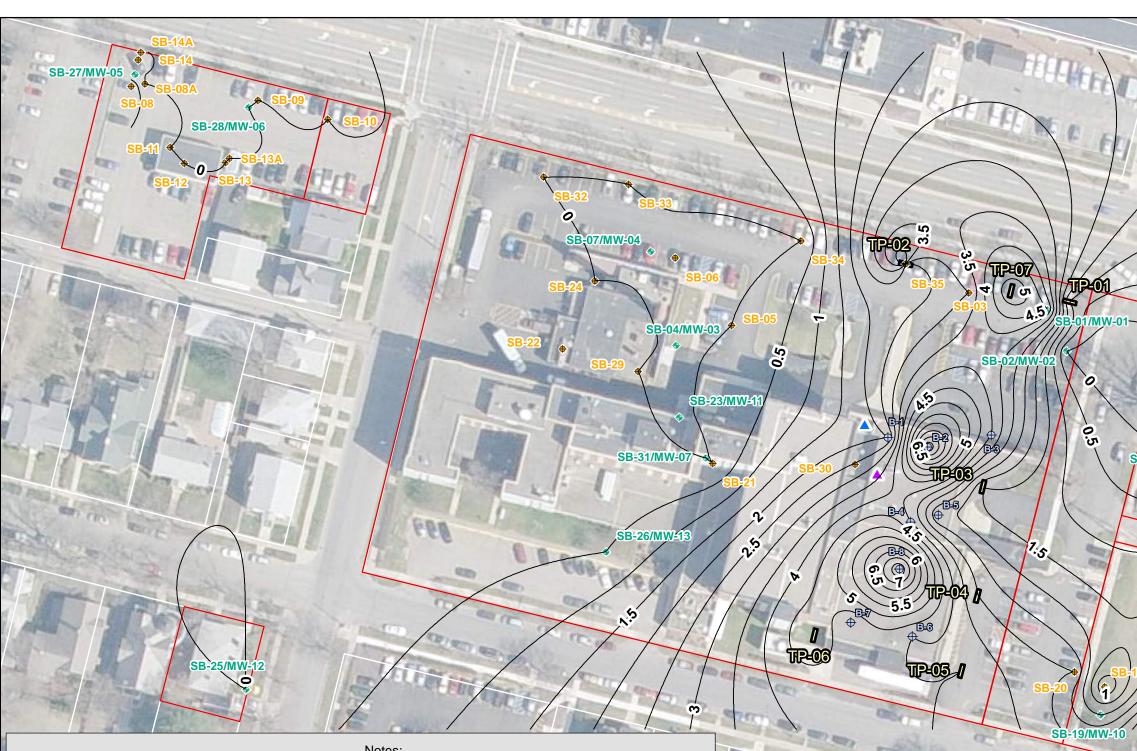
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FIGURES







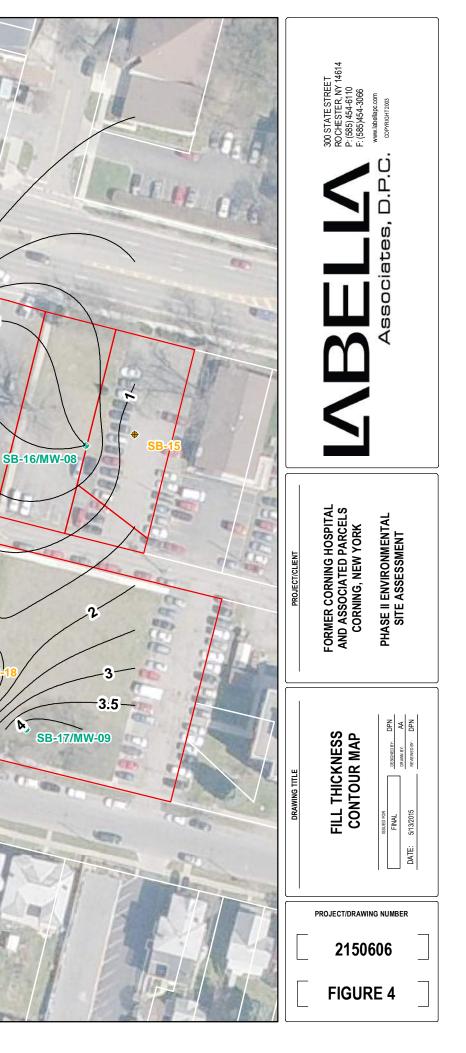


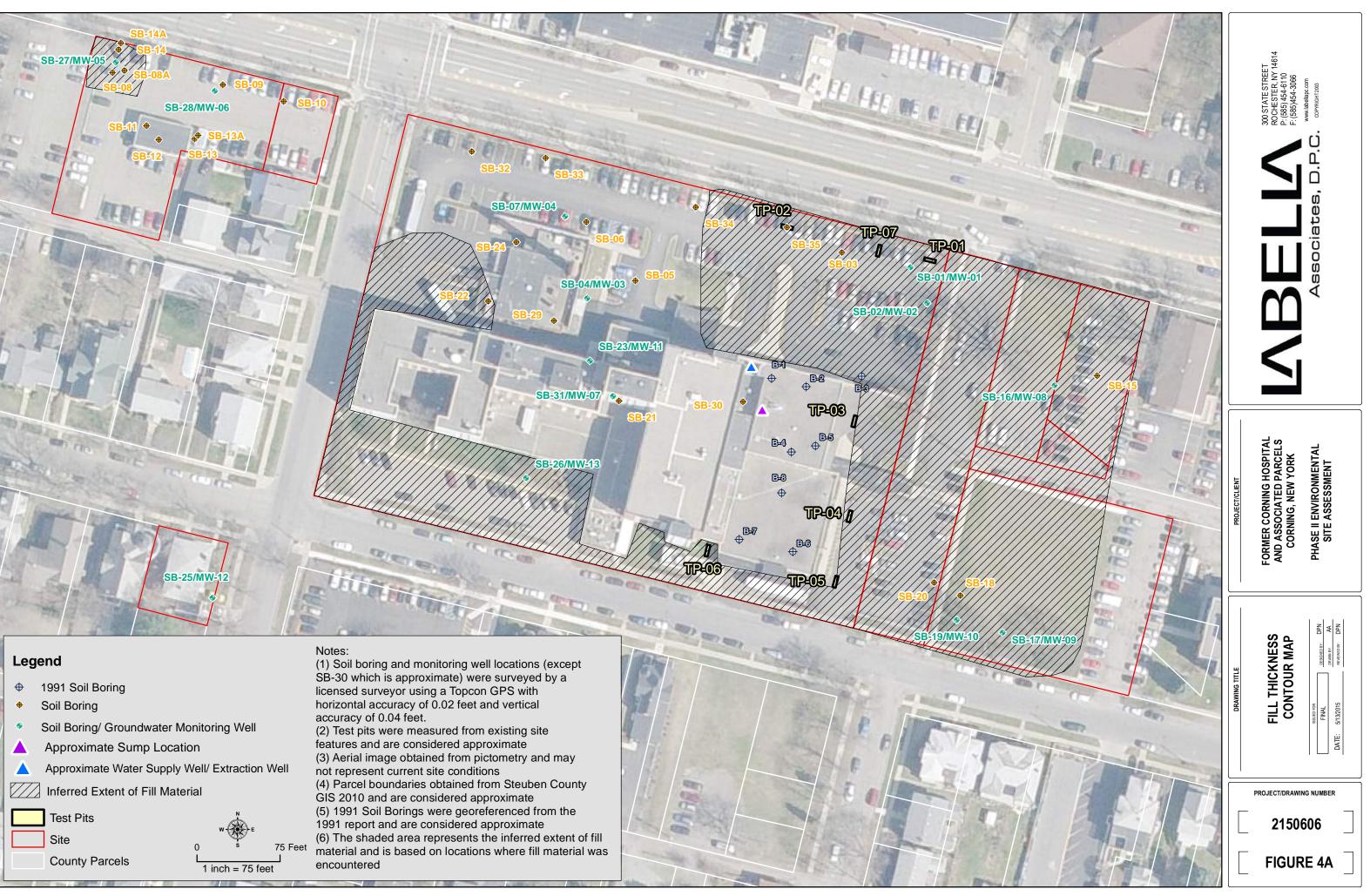
Legend

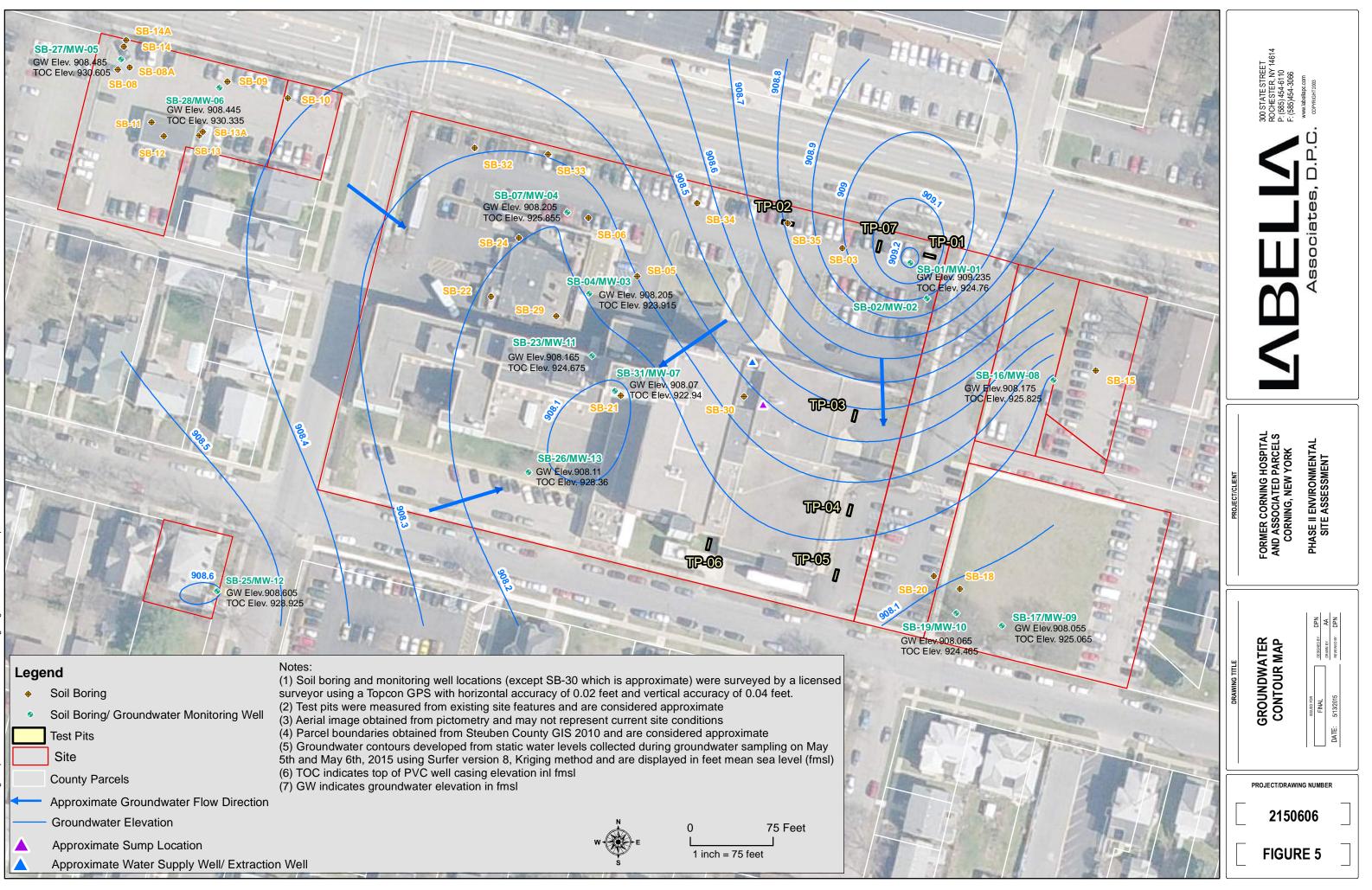
- 1991 Soil Boring \oplus
- Soil Boring ¢
- Soil Boring/ Groundwater Monitoring Well ۲
- Approximate Sump Location
- Approximate Water Supply Well/ Extraction Well
- Fill Thickness Contours
- Test Pits Site 75 Feet **County Parcels** 1 inch = 75 feet

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









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TABLES

										176 Deniso	on Parkway East					
Sample ID Sample Date	NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs	<u>NYSDEC</u> Commercial Use <u>SCOs</u>	SB-01-3-4' 27-Apr-15	SB-02-10.6-11.6' 27-Apr-15	SB-03-3-4' 27-Apr-15	SB-04-14-16' 27-Apr-15	Blind Duplicate 1 27-Apr-15	SB-05-7-8' 27-Apr-15	SB-06-5-6' 27-Apr-15	SB-07-19-20' 27-Apr-15	SB-22-5-6 30-Apr-15	SB-22-19-20 30-Apr-15	SB-23-17-18 30-Apr-15	SB-35-0-4' 5-May-15
METALS (ppm) Lead	63	450	400	1.000	246	1	455	1	1	12.3	22.1	1	85.5	1		435
Selenium	3.9	3.9	400	1,000	1.2	-	<u>435</u> 1.3	_		ND(0.437)	0.846		ND(1.66)	-		435 ND(0.936)
Arsenic	13	16	16	1,300	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	400	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	NOT ANALIZED	19.5	NOT ANALIZED	NOT ANALIZED	12.6	9.48	NOT ANALIZED	12.1	NOT ANALIZED	NOT ANALIZED	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	2.00	ND(0.457)	-	0.541	-		ND(0.413)	ND(0.437)		NOT ANALYZED			NOT ANALYZED
VOCs (ppb)	21	+0	21	21	140(0.437)	ļļ	0.541			110(0.413)	ND(0.451)	ļ	NOT ANALIZED	ļ		NOT ANALIZED
Acetone	50	50	100.000	500.000	1	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
Cvclohexane, 1,1,3-trimethyl-	NS	NS	NS	NS								ND				
Cyclohexane, 1.1-dimethyl-	NS	NS	NS	NS								ND				
Cyclohexane, 1.2.4-trimethy	NS	NS	NS	NS		None found	None found	None found	None found			ND		None found	None found	
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	j	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	l [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	1		ND(18.7)	ND(19.6)					
Ideno(1,2,3-cd)pyrene	500	8,200	500	5,600	300		229	1		ND(16.0)	ND(16.8)					
Phenanthrene	100,000	1,000,000	100,000	500,000	375		615	1		ND(19.1)	ND(20.0)					
Pyrene	100,000	1,000,000	100,000	500,000	1070		818	1		ND(16.7)	ND(17.5)					
2-Methylnaphthalene	NS	NS	NS	NS	ND(701)		33.6	1		ND(69.4)	ND(16.9)					
Naphthalene	12,000	12,000	100,000	500,000	ND(161)		36.5	4		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 <u>Bold underline</u> indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter <u>Bold underline and red font</u> indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter <u>Bold underline red font and yellow highlight indicates the samp</u>le 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 the statified compounds NS indicates the specified

NS indicates Not Specified

					132 Denison Parkway East					
Sample ID Sample Date	NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs	<u>NYSDEC</u> Commercial Use <u>SCOs</u>	SB-08A-9-10.4' 28-Apr-15	SB-09-2-3' 28-Apr-15	Blind Duplicate 2 28-Apr-15	SB-09-8-10.4' 28-Apr-15	129 Che SI 28	
METALS (ppm)										
Lead	63	450	400	1,000		31.1	22.7			
Selenium	3.9	3.9	180	1,500		ND(0.389)	ND(0.411)		N	
Arsenic	13	16	16	16		7.23	5.25			
Barium	350	820	400	400		139	117			
Cadmium	2.5	7.5	4.3	9.3	NOT ANALYZED	0.0617	0.0328	NOT ANALYZED	N	
Chromium (trivalent)	30	NS	180	1,500		11.7	11			
Silver	2	8.3	180	1,500		ND(0.114)	ND(0.120)		N	
Mercury	0.18	0.73	0.81	2.80		0.0484	0.0581			
Cyanide	27	40	27	27		ND(0.420)	ND(0.416)		NOT	
VOCs (ppb)	-				-					
Acetone	50	50	100,000	500,000				ND(725)		
Methylene chloride	50	50	100,000	500,000				<u>52.1</u>		
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					NOT ANALYZED	NOT ANALYZED	NOT ANALYZED		NOT	
Ethane, 1,1-difluoro-	NS	NS	NS	NS						
Cyclohexane, 1,1,3-trimethyl-	NS	NS	NS	NS						
Cyclohexane, 1,1-dimethyl-	NS	NS	NS	NS				None found		
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)							1		-	
Acenapthene	20,000	98,000	100,000	500,000	ND(16.1)	ND(84.2)	ND(86.8)			
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)		NOT	
Dibenzo(a,h)anthracene	330	1,000,000	330	560	ND(12.7)	ND(66.3)	ND(68.4)	NOT ANALYZED	NOT	
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		1	
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)	1		
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 <u>Bold underline</u> indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter <u>Bold underline and red font</u> indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter <u>Bold underline red font and yellow highlight</u> 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 the serviced

NS indicates Not Specified

Chemung Street
SB-10-4-5
28-Apr-15
95.9
ND(1.60)
7.02
36.3
ND(0.532)
5.98
ND(1.60)
0.0342
T ANALYZED
OT ANALYZED
DT ANALYZED

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	<u>NYSDEC</u> 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)		9.13 ND(1.78)	
Arsenic	13	16	16	16	7.4	10(2.30)	ND(3.10)	14.7		5.21	
Barium	350	820	400	400	31	201	41.4	101		58.1	
Cadmium	2.5	7.5	400	9.3	ND(0.502)	ND(0.604)	14	ND(0.538)	NOT ANALYZED	ND(0.595)	NOT ANALYZED
Chromium (trivalent)	30	NS	4.3	1,500	6.94	14.9	5.36	10.3	NOT ANALIZED	9.69	NOT ANALIZED
Silver	2	8.3	180	1,500	ND(1.51)	ND(1.81)	ND(1.94)	ND(1.61)		9.69 ND(1.78)	
Mercury	0.18	0.73	0.81	2.80	ND(0.0324)	0.438	0.232	1.01		ND(1.78) ND(0.0354)	
Cvanide	27	40	27	2.80	ND(0.0324)	NOT ANALYZED	NOT ANALYZED	NOT ANALYZED	-	NOT ANALYZED	
VOCs (ppb)	21	40	21	21	ND(0.540)	NOT ANALTZED	NOT ANALIZED	NOT ANALTZED		NOT ANALTZED	
Acetone	50	50	100.000	500.000	ND(40.0)			[105	r	ND(52.8)
Methylene chloride	50	50	100,000	500,000	ND(40.0)				ND(9.0)		ND(32.8) ND(10.6)
1.2.4-Trimethylbenzene	3.600	3.600	52.000	190.000	ND(6.0)				11.1		ND(10.0) ND(5.3)
1,2,4-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	200	1,000	100,000	500,000	ND(4.0)				10		ND(0.3)
Ethane, 1,1-difluoro-	NS	NS	NS	NS		NOT ANALYZED	NOT ANALYZED	NOT ANALYZED	ND	NOT ANALYZED	
Cyclohexane, 1,1,3-trimethyl-	NS	NS	NS	NS					996		
Cyclohexane, 1,1-dimethyl-	NS	NS	NS	NS					219		1
Cyclohexane, 1,2,4-trimethy	NS	NS	NS	NS	None found				396		None found
Cyclohexane, 1,2,4-trimethyl-	NS	NS	NS	NS	ļ				259		
Cyclohexane, 1,2-dimethyl-	NS	NS	NS	NS					420		
SVOCs (ppb)	NO	NO	110	NO					420		
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 <u>Bold underline</u> indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Protection of Groundwater for the given parameter <u>Bold underline and red font</u> indicates the sample exceeds NYSDEC Part 376-6.8(b) SCOs for Restricted Residential Use for the given parameter <u>Bold underline red font and yellow highlight</u> 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 the startified compounds NS indicates NM Specified

NS indicates Not Specified

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

					176 Denison Parkway East							
Sample ID Sample Date	NYSDEC Unrestricted Use SCOs	NYSDEC Protection of Groundwater SCOs	NYSDEC Restricted Residential SCOs	<u>NYSDEC</u> <u>Commercial Use</u> <u>SCOs</u>	TP-02-5.5' 8-May-15	TP-03-2' 8-May-15	TP-04-2.5' 8-May-15	TP-05-3' 8-May-15	TP-06-2.5' 8-May-15	TP-07-3' 8-May-15		
METALS (ppm)												
Lead	63	450	400	1,000	283		273	160	176	<u>1560</u>		
Selenium	3.9	4	180	1,500	Not Analyzed	Not Analyzed	0.622	1.11	0.434	1.27		
Arsenic	13	16	16	16			7.93	7.21	7.93	<u>17</u>		
Barium	350	820	400	400			153	99.9	102	<u>995</u>		
Cadmium	2.5	7.5	4.3	9.3		0.233	2.52	0.448	0.406	0.779		
Chromium (trivalent)	30	NS	180	1,500		Not Analyzed	13.5	10.4	12.7	26.1		
Silver	2	8.3	180	1,500			0.222	0.204	ND(0.113)	0.617		
Mercury	0.18	0.73	0.81	2.8	<u>1.8</u>		0.547	0.425	0.766	<u>1.2</u>		
SVOCs (ppb)												
Benzo (a) anthracene	1,000	1,000	1,000	5,600			135			ND(20.1)		
Benzo (a) pyrene	1,000	22,000	1,000	1,000			131			ND(20.3)		
Benzo (b) fluoranthene	1,000	1,700	1,000	5,600		Not Analyzed	162	Not Analyzed		ND(22.2)		
Chrysene	1,000	1,000	3,900	56,000	Not Analyzed		133			ND(23.8)		
Fluoranthene	100,000	1,000,000	100,000	500,000			219			ND(24.4)		
Phenanthrene	100,000	1,000,000	100,000	500,000			108			ND(23.7)		
Pyrene	100,000	1,000,000	100,000	500,000			223			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 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 2: Detected Compounds in Groundwater May 2015

		Г		176 Denison Parkway East 132 D					132 Denison	Parkway East	202 Denison Parkway East	201 East First Street		144 East First Street	
	Sample ID Sample Date	NYSDEC Part 703 Groundwater Quality Standards	Sump-1 5-Mav-15	MW-03 6-May-15	MW-04 6-May-15	MW-07 6-May-15	MW-11 6-Mav-15	MW-13	MW-05 6-May-15	MW-06 6-May-15	MW-08 5-May-15	MW-09 6-May-15	MW-10 6-May-15	MW-12 5-May-15	Blind Duplicate 5-May-15
METALS (ppm)	Cample Date		5-may-15	0-may-15	0-may-15	0-may-15	0-may-15		0-may-15	0-inay-15	J-indy-13	0-may-15	0-may-15	J-Way-15	5-May-15
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	Not Analyzed	Not Analyzou	Not Analyzou	0.0049	Not Analyzou	Not Analyzou	Not Analyzed	Not Analyzou	Not Analyzou	Not Analyzou	Not Analyzou	Not Analyzou	Not Analyzou
Silver		0.05				ND(0.0023)									
Mercurv		0.007				ND(0.0023)									
Cvanide		0.0007				0.0161									
		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)
		50							3.9						
Benzene			ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.2)		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			(0.0)	(414)	(***)	(415)	(414)	(414)	(0.0)		(***)	(414)	(0.0)	(***)	.()
Ethane, 1.1-difluoro-		NS								ND		3.1			
Benzene, 1.2.4.5-tetramet	thyl	NS								4.4	1		1		1
Benzene, 1-ethyl-2.3-dime		NS								3.4	1				1
Benzene, 1-ethyl-2-methyl		NS								4.4	1				1
Benzene, 1-ethyl-3-methyl		NS	None found	None found	None found	None found	None found	None found	None found	5.1	None found		None found	None found	None found
Benzene, 1-ethyl-4-methyl		NS	None Iouna	Nono Iounu			Nono Iounu	Nono Iounu		3.9		ND	Nono Iodila	riono louliu	i tone iounu
Benzene, 1-methyl-2-meth		NS		1				1		6.2	1				
Benzene, 1-metryl-2-metry Benzene, 1-mehtyl-3-propy		NS		1				1		6.2 3.0	1				
				1	1										

Notes: Metals concentrations reported in miligrams 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

					Static Water	Static Water
Grid Northing (USft)	Grid Easting (USft)	Elevation (USft)	SB ID	MW ID	Level (ft bgs)*	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



Engineering Architecture Environmental

APPENDIX 1

Field Logs

SOIL BORING LOGS

00 STATE S	STREET, ROO	Deciates, P.C.	9	Corn	BORING: SHEET JOB: CHKD BY:	SB-01 1 OF 1 2150606 DPN		
DRILL	ER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East 924.685 (USft) END DATE 4/27/2015	DATUM:	
AL	(PE OF DRIL JGER SIZE / VERBURDEI		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
D E P		SAMPLE					PID FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION			(PPM)	REMARKS
0	0-4	60%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors			0	
2			2.5'	Brown co	Brown coarse SAND and fine to medium GRAVEL, moist, no odors			
4	4-8	5%	3.5'	Black ASH (fi	ll) and SAND, some	lors 0		
6							0	
8	8-12	5%	8'		coars	0		
10							0	
12	12-16	<5%	12'	Brown c	parse SAND and fin	0		
14							0	
16	16-20	30%	16'	Brown coa	arse SAND and med	lium to coarse GRAVEL, wet, no odors	0	
18							0	
20					E	End at 20'	0	
22								
24								
26						NOTES:		
	WATER	LEVEL DATA	BOTTOM OF	DEPTH (FT) BOTTOM OF	GROUNDWATER	MW-01, 5' screen		
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
1) 2)	WATER LE	ATION LINES REPRES	BEEN MADE AT	TIMES AND UND	DER CONDITIONS	I /PES, TRANSITIONS MAY BE GRADL STATED, FLUCTUATIONS OF GROUI \SUREMENTS WERE MADE		

			PROJECT				BORING:	SB-02
IN	RF			Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
_		sociates, P.C.			Corning, New	York	JOB:	2150606
200 6747	E STREET, ROO	NUESTED NY		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
		NEERING CONSULTANTS						
CO	NTRACTOR:	LaBella Env. LLC		BORING LOCAT	FION:	176 Denison Parkway East		
		M. Pepe			ACE ELEVATION		DATUM:	
LA	BELLA REPRES	SENTATIVE: A. Aquilina		START DATE:	4/27/2015	END DATE 4/27/2015		
	TYPE OF DRIL	L RIG:	Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE		NA			INSIDE DIAMETER: 2"		
	OVERBURDE	N SAMPING METHOD:	macrocore			OTHER:		
_								
D E		SAMPLE					PID FIELD	
Р Т	SAMPLE	SAMPLE NO.	STRATA		VICUAL	CLASSIFICATION	SCREEN	DEMARKS
H	DEPTH	AND RECOVERY	CHANGE		VISUAL	LASSIFICATION	(PPM)	REMARKS
0	0-4	25%		Bro		D and GRAVEL, moist, no odors	0	
0	0-4	2370		ы	wingley coarse only	D and GRAVEE, molal, no odora	0	
2							0	
4	4-8	no recovery					0	
6							0	
8	8-10.6	50%	8'	в	rown fine SAND (pos	ssible tank fill), moist, no odors	0	
-				_				
10	10.6-11.6	50%	10'	Brown coarse	SAND and SILT, so	me medium to coarse GRAVEL, moist, no	0	
						odors		
					Ref	usal at 11.6'		
12								
14								
16								
18								
20								
20								
22								
24								
00								
26				DEPTH (FT)		NOTES:	1	
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER	MW-02, 5' screen (DRY)		
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			11	11.6	NA			
05	NERAL NOTES	1						
GE						PES, TRANSITIONS MAY BE GRADUAL.		
						PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDWA	TER	
						SUREMENTS WERE MADE		
1							BORING:	SB-02

			PROJECT				BORING:	SB-03
IN	RF			Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
	As	sociates, P.C.			Corning, New		JOB:	2150606
300 STAT	E STREET, ROO	CHESTER. NY		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
ENVIRON	MENTAL ENGI	NEERING CONSULTANTS						
		LaBella Env. LLC M. Pepe		BORING LOCAT		176 Denison Parkway East 924.611 (USft)	DATUM:	
		SENTATIVE: A. Aquilina		START DATE:		END DATE 4/27/2015	DATOW.	
		·						
	TYPE OF DRIL		Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
		N SAMPING METHOD:				OTHER:		
	1							
D		SAMPLE					PID	
E P							FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL C	CLASSIFICATION	(PPM)	REMARKS
			OTWITCE	A B				
0	0-4	60%	1.5'			e to coarse GRAVEL, moist, no odors edium to coarse GRAVEL, moist, no odors	0	
				0				
2							0	
			3'		Black ASH and CIN	DERS (fill), moist, no odors		
			5		Diack ASI I and City			
4	4-8	5%					0	
6			6'	Light brown	n fine SAND, trace fir	ne to medium GRAVEL, moist, no odors	0	
				-				
8	8-12	5%					0	
10							0	
			10.5'	Brown/grey	fine SAND and med	ium to coarse GRAVEL, moist, no odors	Ŭ	
					Ref	usal at 11.2'	-	
12								
14								
16								
18								
10								
20								
22								
22								
24								
26								
26				DEPTH (FT)		NOTES:	_1	1
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	11.2	NA			
GE	NERAL NOTES	3						
						PES, TRANSITIONS MAY BE GRADUAL.		
						STATED, FLUCTUATIONS OF GROUNDW. SUREMENTS WERE MADE	ATER	
				NOOL I KLOCH			BORING:	SB-03

				PROJECT	BORING:	SB-04		
IN	RF	ELIA		Corr	ning Hospital and Ass	ociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
	E STREET, RO	-		Pha	se II Environmental S	tite Assessment	CHKD BY:	DPN
CO DRI	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCA GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East 932.915 (USft) END DATE 4/27/2015	DATUM:	
	TYPE OF DRI		Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
		N SAMPING METHOD:				OTHER:		
								1
D		SAMPLE					PID	
E P							FIELD SCREEN	
T	SAMPLE	SAMPLE NO.	STRATA		VISUAL C	LASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-4	60%	1.5'			e to coarse GRAVEL, moist, no odors um to coarse GRAVEL, moist, no odors	c	
2							C	
			2.5' 3'	Brown f	ine SAND and SILT,	trace fine GRAVEL, moist, no odors		
4	4-8	60%					C	
6							C	
8	8-12	50%					C	
10							c	
12	12-16	50%	12'	Brown	n coarse SAND and r	nedium GRAVEL, moist, no odors	C	
14				Brow	n coarse SAND and	medium GRAVEL, wet, no odors	c	
16					Re	fusal at 16'		
18								
20								
22								
24								
26								
	,			DEPTH (FT)	0000	NOTES:		
			BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING NA	BORING 16	ENCOUNTERED 14			
	1	1	INA	01	14			
GEI	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL TATED, FLUCTUATIONS OF GROUND		
						SUREMENTS WERE MADE		
							BORING:	SB-04

00 STATI	E STREET, RO MENTAL ENGI	SOCIATES, P.C. CHESTER, NY NEERING CONSULTANT		PROJECT BORING: SB-05 Corning Hospital and Associated Parcels SHEET 1 Corning, New York JOB: 21506 Phase II Environmental Site Assessment CHKD BY: DPN BORING LOCATION: 176 Denison Parkway East				
DRI	LLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina			ACE ELEVATION	176 Denison Parkway East 932.915 (USft) END DATE 4/27/2015	DATUM:	
	TYPE OF DRII AUGER SIZE OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
D E P		SAMPLE					PID FIELD SCREEN	
т Н	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION			(PPM)	REMARKS
0	0-4	40%		Grey/black ASPHALT and fine to coarse GRAVEL, moist, no odors			0	
2			2' 2.5'	Light brown SAND and SILT, some fine to medium GRAVEL, moist, no odors Black/ dark brown coarse SAND, some fine to medium GRAVEL, moist, no odors				
4	4-8	60%	4'	Grey medium GRAVEL, moist, no odors				
			5'	Brov	vn SANDY SILT, tra			
6								
8	8-12	40%				0		
10			10'		grey	0		
12	12-16	40%					0	
14							0	
16	16-20	5%	16'	I	Brown medium to co	arse GRAVEL, wet, no odors	0	
18							0	
20	20-24	<5%	20'	Brow	n coarse SAND and	d medium GRAVEL,wet, no odors	0	
22							0	
24					E	End at 24'	0	
26								
				DEPTH (FT)		NOTES:		
DATE	WATER TIME	LEVEL DATA ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	MW-03, 10' screen		
			17.5	24	16			
	2) WATER LE	ATION LINES REPRES	BEEN MADE AT	TIMES AND UNI	DER CONDITIONS	PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDWA	ATER	
	MAY OCCL	JRE DUE TO OTHER F	ACTORS THAN T	HOSE PRESENT	AT THE TIME MEA	SUREMENTS WERE MADE	BORING:	SB-05

				PROJECT			BORING:	SB-06
	ЪЕ	ELLA		Corr	ing Hospital and Ass		SHEET	1 OF 1
		sociates, P.C.		Dia	Corning, New		JOB:	2150606
	E STREET, RO			Pha	se II Environmental S	Dite Assessment	CHKD BY:	DPN
CO DR	NTRACTOR: ILLER:	NEERING CONSULTANTS LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East 925.665 (USft) END DATE 4/27/2015	DATUM:	
	TYPE OF DRII	LL RIG:	Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE		NA			INSIDE DIAMETER: 2"		
	OVERBURDE	N SAMPING METHOD:	macrocore			OTHER:		
_		0.11715						
D E		SAMPLE					PID FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA		VISUAL (CLASSIFICATION	SCREEN (PPM)	REMARKS
H	DEPTH	AND RECOVERY	CHANGE				(,	
0	0-4	50%	1'			e to coarse GRAVEL, moist, no odors nedium GRAVEL, moist, no odors	0	
2							0	
			3.5'	Brown	n SAND and SILT, tra	ace fine GRAVEL, moist, no odors		
4	4-8	50%					0	
6							0	
8	8-12	25%					0	
0	0-12	2376					0	
10							0	
12	12-16	30%	12'	Brow	n coarse SAND and	coarse GRAVEL, moist, no odors	0	
14							0	
16	16-20	30%				wet	0	
10	10-20	3078					0	
18							0	
20					E	End at 20'		
22								
24								
26				DEPTH (FT)		NOTES:		
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER	NOTED.		
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	20	16			
GE	NERAL NOTES	3						
						PES, TRANSITIONS MAY BE GRADUAL		
						STATED, FLUCTUATIONS OF GROUND SUREMENTS WERE MADE	WATER	
							BORING:	SB-06

	E STREET, ROO	sociates, P.C. CHESTER, NY	PROJECT Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment				JOB: 2150606			
COI DRI	NTRACTOR: LLER:	NEERING CONSULTANT: LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East 925.855 (USft) END DATE 4/27/2015	DATUM:			
	TYPE OF DRII AUGER SIZE . OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:				
D E P		SAMPLE					PID FIELD SCREEN			
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(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						
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				DEPTH (FT)		NOTES:				
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER	MW-04, 10' screen				
DATE	TIME	ELASPED TIME	CASING 19	BORING 20	ENCOUNTERED 16	-				
	2) WATER LE	ATION LINES REPRES	ENT APPROXMA BEEN MADE AT	ATE BOUNDARY	BETWEEN SOIL T	I YPES, TRANSITIONS MAY BE GRADUAL STATED, FLUCTUATIONS OF GROUND				
	MAY UCCL	INC DUE TO UTHER FA	AUTURS THAN I	NUSE PRESENI	AT THE TIME MEA	ASUREMENTS WERE MADE	BORING:	SB-07		

	ΔΒΕΠΔ			PROJECT			BORING:	SB-08
IN	RF			Corr	ning Hospital and As	sociated Parcels	SHEET	1 OF 1
_		sociates, P.C.			Corning, New	York	JOB:	2150606
	E STREET, RO	CHESTER, NY		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
CO DRI	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	132 Denison Parkway East 930.847 (USft) END DATE: 4/28/2015	DATUM:	
	TYPE OF DRI AUGER SIZE OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
D E P		SAMPLE					PID FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL (CLASSIFICATION	(PPM)	REMARKS
0	0-4	40%	1'			e to coarse GRAVEL, moist, no odors se GRAVEL, moist, no odors	0	
2							0	
4	4-8	30%	4'	E	Black/brown SAND a	nd ASH (fill), moist, no odors	0	
			5'	Brown	coarse SAND, some	medium GRAVEL, moist, no odors		
6							0	
8					Re	ofusal at 8'	0	
10								
12								
14								
16								
18								
20								
22								
24								
26								
				DEPTH (FT)		NOTES:		
DATE	WATER TIME	ELEVEL DATA	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
	<u> </u>		NA	8	NA			
GEI		CATION LINES REPRES				PES, TRANSITIONS MAY BE GRADUAL STATED, FLUCTUATIONS OF GROUND		
						SUREMENTS WERE MADE		
1							BORING:	SB-08

					PROJECT	r	BORING:	SB-08A
IN	RF			Corr	ning Hospital and Ass	ociated Parcels	SHEET	1 OF 1
_		sociates, P.C.			Corning, New	York	JOB:	2150606
		-		Pha	se II Environmental S	ite Assessment	CHKD BY:	DPN
	TE STREET, ROO MENTAL ENGIN	CHESTER, NY NEERING CONSULTANT						
		LaBella Env. LLC	1	BORING LOCAT	FION:	132 Denison Parkway East		
DR	ILLER:	М. Рере		GROUND SURF	ACE ELEVATION		DATUM:	
LA	BELLA REPRES	SENTATIVE: A. Aquilina		START DATE:	4/28/2015	END DATE: 4/28/2015		
	TYPE OF DRIL		Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE		NA			INSIDE DIAMETER: 2"		
		N SAMPING METHOD:				OTHER:		
	T			•			Т	
D		SAMPLE					PID	
E							FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL C	LASSIFICATION	SCREEN (PPM)	REMARKS
н	DEPTH	AND RECOVERY	CHANGE				. ,	
0	0-4	40%		Grev/blac	ck ASPHALT and fine	e to coarse GRAVEL, moist, no odors	0	
			1.5'			edium 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/grou		ne to coarse GRAVEL, moist, no odors		
			5	Brown/grey	COarse SAND and I	The to coarse GRAVEL, moist, no odors		
6							0	
							0	
8	8-10.4	50%						
10					Refi	ısal at 10.4'	0	
					Ken	13di di 10.4		
10								
12								
14								
14								
16								
18								
20								
22								
24								
~~~								
26	1			DEPTH (FT)		NOTES:	1	
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
DAIL			NA	10.4	NA			
	1			10.4	110			
GE	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL.	TED	
						TATED, FLUCTUATIONS OF GROUNDWA SUREMENTS WERE MADE	IEK	
							BORING:	SB-08A

					PROJECT	T	BORING:	SB-09
$\nabla$	BF			Corr	ing Hospital and Ass	ociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
200 67 47	E STREET, RO	CHESTED NY		Phas	se II Environmental S	ite Assessment	CHKD BY:	DPN
		NEERING CONSULTANT						
CO	NTRACTOR:	LaBella Env. LLC		BORING LOCAT	TON:	132 Denison Parkway East		
		M. Pepe			ACE ELEVATION		DATUM:	
LA	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	4/28/2015	END DATE: 4/28/2015		
	TYPE OF DRI	L RIG:	Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE	AND TYPE:	NA			INSIDE DIAMETER: 2"		
	OVERBURDE	N SAMPING METHOD:	macrocore			OTHER:		
D E		SAMPLE					PID FIELD	
Р							SCREEN	
т Н	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL C	LASSIFICATION	(PPM)	REMARKS
				0.41				
0	0-4	50%		Grey/blac	ck ASPHALT and fine	e to coarse GRAVEL, moist, no odors	0	)
2			2'	Brown/are	ev SAND and mediur	n to coarse GRAVEL, moist, no odors	0	
-			-	Dioming.				
4	4-8	20%					C	
6							0	)
							C	
8	8-10.4	20%						
10							C	
10					Refu	ısal at 10.4'		
12								
14								
16								
18								
20								
22								
24								
00								
26				DEPTH (FT)		NOTES:		
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER	-		
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	10.4	NA			
					•			
GE	1) STRATIEIC						M	
						PES, TRANSITIONS MAY BE GRADUA TATED, FLUCTUATIONS OF GROUNI		
						SUREMENTS WERE MADE		
							BORING:	SB-09

	ΙΔΒΕΓΙΔ			PROJECT Corning Hospital and Associated Parcels				SB-10
L	BE			Corn			SHEET	1 OF 1
`		sociates, P.C.			Corning, New		JOB:	2150606
300 STAT	E STREET, RO	CHESTER, NY		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
ENVIRON	IMENTAL ENGI	NEERING CONSULTANTS	5					
		LaBella Env. LLC		BORING LOCAT		132 Denison Parkway East	DATUM	
		M. Pepe SENTATIVE: A. Aquilina		START DATE:	ACE ELEVATION 4/28/2015	END DATE: 4/28/2015	DATUM:	
					1/20/2010			
	TYPE OF DRI		Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE	N SAMPING METHOD:	NA			INSIDE DIAMETER: 2" OTHER:		
			maaroooro	1			1	ſ
D		SAMPLE					PID	
E P							FIELD SCREEN	
T	SAMPLE	SAMPLE NO.	STRATA		VISUAL C	CLASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-4	50%		Grey/blac	k ASPHALT and fine	e to coarse GRAVEL, moist, no odors	0	
			1.5'	Brown/gre	ey SAND and mediur	n to coarse GRAVEL, moist, no odors		
2				_			0	
2							0	
4	4-8	40%					0	
6							0	
8	8-10.4	50%					0	
0	0 10.4	0070						
10							0	
					Refu	usal at 10.8'		
12								
14								
16								
18								
20								
22								
24								
26								
				DEPTH (FT)		NOTES:		
			BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING NA	BORING 10.8	ENCOUNTERED NA			
	I		INA	10.0	NA			
GE	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDW	ATER	
						SUREMENTS WERE MADE		
							BORING:	SB-10

					PROJECT	r	BORING:	SB-11
$\nabla$	RF			Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
	E STREET, RO			Pha	se II Environmental S	tite Assessment	CHKD BY:	DPN
CO DR	NTRACTOR: ILLER:	NEERING CONSULTANT LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	132 Denison Parkway East 930.632 (USft) END DATE: 4/28/2015	DATUM:	
	TYPE OF DRI AUGER SIZE OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
				<u> </u>				ſ
D		SAMPLE					PID	
E P							FIELD SCREEN	
т	SAMPLE	SAMPLE NO.	STRATA		VISUAL C	CLASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-4	50%		Brow	n SAND and fine to n	nedium GRAVEL, moist, no odors	0	
2			2'	Brov	wn SANDY SILT, trac	e fine GRAVEL, moist, no odors	0	
4	4-8	40%	4'	Brown	SAND and medium t	o coarse GRAVEL, moist, no odors	0	
6							0	
8	8-10.4	50%					0	
10					Ref	usal at 11.1	0	
12								
14								
16								
18								
20								
22								
24								
26								
				DEPTH (FT)		NOTES:		
		LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
	1		NA	11.1	NA			
GE	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL. TATED, FLUCTUATIONS OF GROUNDW/	ATER	
						SUREMENTS WERE MADE		
							BORING:	SB-11

			PROJECT			BORING:	SB-12	
IN	RF	ELLA		Corr	ning Hospital and Ass	ociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
	E STREET, RO	CHESTER, NY	d	Phas	se II Environmental S	ite Assessment	CHKD BY:	DPN
CO DR	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	132 Denison Parkway East 930.753 (USft) END DATE: 4/28/2015	DATUM:	
	TYPE OF DR AUGER SIZE	AND TYPE:	Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
	OVERBURDE	EN SAMPING METHOD:	macrocore			OTHER:		
D		SAMPLE					PID	
E		SAMFLE					FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA		VISUAL C	LASSIFICATION	SCREEN (PPM)	REMARKS
н	DEPTH	AND RECOVERY	CHANGE		VIGUAL		(1 1 10)	REMARKO
0	0-4	40%		Grey/blac	ck ASPHALT and fine	to coarse GRAVEL, moist, no odors	0	
2							0	
			3.5'	Brown		medium GRAVEL, moist, no odrs		
4	4-8	50%	4'			m to coarse GRAVEL, moist, no odors	0	
6							0	
8	8-10.4	50%					0	
			9'		arev	ock fragments		
			9		grey	ock fragments		
10					Refu	isal at 10.3'	0	
12								
14								
10								
16								
18								
20								
22								
22								
24								
26								
			DOTTO	DEPTH (FT)		NOTES:		
D			BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING NA	BORING 10.3	ENCOUNTERED NA			
	I	-	INA	10.3	NA			
GE	NERAL NOTE							
						PES, TRANSITIONS MAY BE GRADUAL TATED, FLUCTUATIONS OF GROUND		
						SUREMENTS WERE MADE		
1							BORING:	SB-12

			PROJECT			BORING:	SB-13	
L	RF	ELIA		Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		ssociates, P.C.			Corning, New		JOB:	2150606
		OCHESTER, NY INEERING CONSULTANT	d	Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
CO DRI	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe ESENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	132 Denison Parkway East 931.484 (USft) END DATE: 4/28/2015	DATUM:	
	TYPE OF DR AUGER SIZE		Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
	OVERBURD	EN SAMPING METHOD:	macrocore			OTHER:		
_							DID	
D E		SAMPLE					PID FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA	-		CLASSIFICATION	SCREEN (PPM)	REMARKS
н	DEPTH	AND RECOVERY	CHANGE		VISUAL	LASSIFICATION	(FFIVI)	REWARKS
0	0-4	30%	1'			e to coarse GRAVEL, moist, no odors nd coarse GRAVEL, moist, no odors	0	
2							0	
2							0	
4	4-8	30%					0	
6							0	
0							0	
							0	
8	8-12	50%			Re	efusal at 8'	_	
10								
10								
12								
14								
16								
18								
20								
22								
24								
26						NOTEO		
	\A/ A TTT		POTTOMOS	DEPTH (FT)		NOTES:		
DATE			BOTTOM OF	BOTTOM OF				
DATE	TIME	ELASPED TIME	CASING NA	BORING 8	ENCOUNTERED NA			
			1 1973	, v	1111			
GEI	1) STRATIE					PES, TRANSITIONS MAY BE GRADUAL.		
						TATED, FLUCTUATIONS OF GROUNDW	ATER	
						SUREMENTS WERE MADE		
1							BORING:	SB-13

					PROJEC	г	BORING:	SB-13A
IN	RF			Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
	E OTREET DO	OUFOTED NY		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
	TE STREET, RO	NEERING CONSULTANT						
		LaBella Env. LLC		BORING LOCA	FION:	132 Denison Parkway East		
	ILLER:	M. Pepe			FACE ELEVATION		DATUM:	
LA	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	4/28/2015	END DATE: 4/28/2015		
	TYPE OF DRI	LL RIG:	Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE	AND TYPE:	NA			INSIDE DIAMETER: 2"		
	OVERBURDE	N SAMPING METHOD:	macrocore			OTHER:		
D E		SAMPLE					PID FIELD	
P							SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL (	CLASSIFICATION	(PPM)	REMARKS
			CHANGE					
0	0-4	30%	1'			e to coarse GRAVEL, moist, no odors nd coarse GRAVEL, moist, no odors	0	
			I	DIOMIN	grey coarse SAND ar	In coarse GRAVEL, moist, no odors		
2							0	
4	4-8	30%					0	
-	40	0070					0	
6							0	
							0	
8	8-12	50%					-	
			8.5'	Bi	rown medium GRAVI	EL 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'		arev	rock fragments	0	
			1010			usal at 13.7'		
14								
14								
16								
18								
20								
22								
24								
26								
				DEPTH (FT)		NOTES:		
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	13.7	NA			
GE	NERAL NOTES	\$						
	1) STRATIFIC	ATION LINES REPRES	ENT APPROXMA	ATE BOUNDARY	BETWEEN SOIL TY	PES, TRANSITIONS MAY BE GRADUAL.		
	2) WATER LE	VEL READINGS HAVE	BEEN MADE AT	TIMES AND UNI	DER CONDITIONS S	STATED, FLUCTUATIONS OF GROUNDWA	ATER	
	MAY OCCL	JRE DUE TO OTHER FA	ACTORS THAN T	HOSE PRESEN	T AT THE TIME MEA	SUREMENTS WERE MADE	BODING	CD 424
1							BORING:	SB-13A

					PROJECT	r	BORING:	SB-14
$\mathbf{L}$	RF	ELIA		Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
		-		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
	E STREET, RO	CHESTER, NY NEERING CONSULTANT						
		LaBella Env. LLC	9	BORING LOCAT	TION:	132 Denison Parkway East		
DR	ILLER:	M. Pepe		GROUND SURF	ACE ELEVATION		DATUM:	
LAE	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	4/28/2015	END DATE: 4/28/2015		
	TYPE OF DRI		Geoprobe 54LT					
	AUGER SIZE		NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
		IN SAMPING METHOD:				OTHER:		
				1				
D		SAMPLE					PID	
E P							FIELD SCREEN	
T	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL C	CLASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-4	50%		Grey/blad	ck ASPHALT and fine	e to coarse GRAVEL, moist, no odors	0	
			1'			dium GRAVEL, moist, no odors		
2							0	
			2.5'	Brown SA	NDY SILT, trace fine	to medium GRAVEL, moist, no odors		
4	4-8	<5%				brick (fill)	0	
6							0	
							0	
8	8-10	50%						
10			10'			rock fragments fusal at 10'	0	
10					Re			
12								
14								
16								
18								
20								
22								
22								
24								
26								
				DEPTH (FT)		NOTES:		
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
		l	NA	10	NA			
GE	NERAL NOTES	5						
			ENT APPROXMA	TE BOUNDARY	BETWEEN SOIL TY	PES, TRANSITIONS MAY BE GRADUAL.		
	2) WATER LE	EVEL READINGS HAVE	BEEN MADE AT	TIMES AND UNI	DER CONDITIONS S	TATED, FLUCTUATIONS OF GROUNDW	ATER	
	MAY OCCU	JRE DUE TO OTHER FA	ACTORS THAN T	HOSE PRESENT	TAT THE TIME MEA	SUREMENTS WERE MADE		
1							BORING:	SB-14

			PROJECT			BORING:	SB-14A	
	RF			Corr	ning Hospital and Ass	ociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New		JOB:	2150606
	E STREET, RO	CHESTER, NY NEERING CONSULTANT	d	Pha	se II Environmental S	ite Assessment	CHKD BY:	DPN
CO DR	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	132 Denison Parkway East 930.454 (USft) END DATE: 4/28/2015	DATUM:	
	TYPE OF DRI AUGER SIZE		Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
	OVERBURDE	IN SAMPING METHOD:	macrocore			OTHER:		
D		SAMPLE					PID	
E P							FIELD SCREEN	
Т	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL C	CLASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-4	50%	1'			e to coarse GRAVEL, moist, no odors ome medium GRAVEL, moist, no odors	0	
2							0	
4	4-8	<5%					0	
	4-0	<b>C</b> 070					0	
6							0	
Ű							0	
8	8-10	50%	7'	Brown	coarse SAND some	coarse GRAVEL, moist, no odors	0	
			10'				0	
10			10		Rei	fusal at 10'		
12								
14								
16								
18								
20								
22								
24								
26								
20	I	l		DEPTH (FT)		NOTES:	1	1
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	10	NA			
GE	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL. TATED, FLUCTUATIONS OF GROUNDW	ATER	
						SUREMENTS WERE MADE		
1							BORING:	SB-14A

			PROJECT			BORING:	SB-15	
	BE	ELIV		Corn	ing Hospital and As		SHEET	1 OF 1
`		sociates, P.C.			Corning, New		JOB:	2150606
300 STAT	E STREET, RO	CHESTER. NY		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
		NEERING CONSULTANTS						
	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe		BORING LOCAT	TON: FACE ELEVATION	210 Denison Parkway East	DATUM:	
		SENTATIVE: A. Aquilina		START DATE:		END DATE: 4/29/2015	DATOW.	
	TYPE OF DRI AUGER SIZE		Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
		N SAMPING METHOD:				OTHER:		
	1							
D		SAMPLE					PID	
E P							FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(PPM)	REMARKS
			01# 410E	0				
0	0-4	60%	1'			e to coarse GRAVEL, moist, no odors e fine GRAVEL, moist, no odors	0	
2			2'		trace GL/	ASS and BRICK (fill)	0	
			3.5'	Bro	own fine SAND trace	e fine GRAVEL, moist, no odors		
			0.0	ы				
4	4-8	90%					0	
6							0	
							0	
8	8-12	80%	8'	Br	own SAND and med	lium GRAVEL, moist, no odors		
10							0	
10								
12	12-14.7	80%					0	
			13'	Light brow	n/grey SAND and fin	e to medium GRAVEL, moist, no odors		
14				-			0	
14					Ref	usal at 14.7'		
16								
18								
20								
22								
24								
26						NOTES		
			BOTTOM OF	DEPTH (FT) BOTTOM OF	GROUNDWATER	NOTES:		
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
DAIL			NA	14.7	NA	1		
05								
GE	1) STRATIFIC					PES, TRANSITIONS MAY BE GRADUAL.		
						STATED, FLUCTUATIONS OF GROUNDW	ATER	
	MAY OCCU	JRE DUE TO OTHER FA	ACTORS THAN T	HOSE PRESENT	AT THE TIME MEA	SUREMENTS WERE MADE		A
1							BORING:	SB-15

	E STREET, RO	sociates, P.C.	•					5 <b>B-16</b> 1 OF 1 2150606 DPN
DRI	LLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	202 Denison Parkway East 925.825 (USft) 5 END DATE: 4/29/2015	DATUM:	
	TYPE OF DRII AUGER SIZE . OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2* OTHER:		
D E P		SAMPLE					PID FIELD SCREEN	
Т Н	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(PPM)	REMARKS
0	0-4	20%		Brov	vn SAND and SILT,	trace vegetation, moist, no odors	0	
2			2	D-			0	
4	4-8	60%	3'	Br	JWI IINE JAND TRACE	e fine GRAVEL, moist, no odors	0	
6							0	
8	8-12	40%					0	
10							0	
12	12-16	30%	12'	Browr	n coarse SAND and	medium GRAVEL, moist, no odors	0	
14							0	
16	16-20	30%	16'		Brown fine to medi	ium GRAVEL, wet, no odors	0	
18							0	
20						End at 20'	0	
22								
24								
26				DEPTH (FT)		NOTES:		
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER	MW-08, 10' screen		
ATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED	4		
			19	20	16			
	2) WATER LE	ATION LINES REPRES	BEEN MADE AT	TIMES AND UNI	DER CONDITIONS	YPES, TRANSITIONS MAY BE GRADU/ STATED, FLUCTUATIONS OF GROUN		
	MAY OCCL	JRE DUE TO OTHER FA	ACTORS THAN T	HUSE PRESENT	AT THE TIME MEA	ASUREMENTS WERE MADE	BORING: S	B-16

DIRLER:         KM Pape Market         GROUND SURFACE ELEVATION         DATUME 4/202015 FROUNDE 4/202015         DATUME Market         DATUME           LABELLA REPORTSENTATIVE:         A Againa         CARDIDATE:         4/202015 FROUNDETE:         DATUME           AUGER SUEA AND TYPE:         NA         INSDE DUMMETER: 2''         DRIVE SAMPLER TYPE: Dreap push INSDE DUMMETER: 2''         PD           P         SAMPLE         SAMPLE         NA         INSDE DUMMETER: 2''         SCREEN (PPM)         SCREEN (	OF 1 16
TYPE OF DRILL NIC:     Georgroup 64-T:     DRIVE SAMPLER TYPE: Used public sectors       0     Image: Sample Sa	
P         SAMPLE NO. SCREEN         SAMPLE NO. AND RECOVERY         STRATA CHANGE         VISUAL CLASSIFICATION         FIELD SCREEN (PPM)         FIELD SCREEN (PPM) <td></td>	
T         SAMPLE         SAMPLE NO. AND RECOVERY         STRATA CHANGE         VISUAL CLASSFICATION         (PPM)         F           0         0-4         60%	
2       2       Brown coarse SAND and SLT, trace coarse GRAVEL, moist, no odors       0         4       4-8       40%       3.5       Brown SLT and SAND, trace fine GRAVEL, moist, no odors       0         6       5       Black ASH and CINDERS, trace GLASS (till), most, no odors       0         7       Brown SLT and SAND, some medium to coarse GRAVEL, moist, no odors       0         8       8-12       60%       7.5       Brown SLT and SAND, some medium to coarse GRAVEL, moist, no odors       0         10       7.5       Brown SLT and SAND, some medium to coarse GRAVEL, moist, no odors       0         12       12-16       40%       16       Brown medium to coarse GRAVEL, wet, no odors       0         14       6       6       6       6       6       0         14       6       6       6       6       6       6         12       12-16       40%       16'       Brown medium to coarse GRAVEL, wet, no odors       0         18       6       6       6       6       6       6         20       6       6       6       6       6       6         21       6       6       6       6       6       6         22       6 <th>REMARKS</th>	REMARKS
4       4-8       40%       3'      Trace glass, some while ash, most, no odors Brown SILT and SAND, trace fine GRAVEL, moist, no odors       0         6       5'       Black ASH and CINDERS, trace GLASS (fill), moist, no odors       0         8       8-12       60%       7.5'       Brown SILT and SAND, some medium to coarse GRAVEL, moist, no odors       0         10       7.5'       Brown SILT and SAND, some medium to coarse GRAVEL, moist, no odors       0         11       12       12.16       40%       4       0         14       4       4       4       4       0         15       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors       0         18       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors       0         12       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors       0         18       16-20       40%       16'       End at 20'       0         12       16       16       16'       16'       16'       16'         19       16       16'       16'       16'       16'       16'         19       16'       16'       16'       16' <td></td>	
A     A-8     A0%     3.5'     Brown SILT and SAND, trace fine GRAVEL, moist, no odors     0       6     5'     Black ASH and CINDERS, trace GLASS (#), moist, no odors     0       7     Brown SILT and SAND, some medium to coarse GRAVEL, moist, no odors     0       10     7.5'     Brown SILT and SAND, some medium to coarse GRAVEL, moist, no odors     0       11     12.16     40%     7.5'     Brown medium to coarse GRAVEL, moist, no odors     0       12     12.16     40%     16'     Brown medium to coarse GRAVEL, wet, no odors     0       14     16-20     40%     16'     Brown medium to coarse GRAVEL, wet, no odors     0       18     16-20     40%     16'     Brown medium to coarse GRAVEL, wet, no odors     0       20     16     16-20     16'     Brown medium to coarse GRAVEL, wet, no odors     0       21     12-20     16'     16'     Brown medium to coarse GRAVEL, wet, no odors     0       22     16     16-20     16'     16'     16'     16'       23     16     16'     16'     16'     16'     16'       24     16     16'     16'     16'     16'     16'	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
8       8-12       60% $0$ 10       12       12-16       40% $0$ 14       12-16       40% $0$ $0$ 14       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors $0$ 18       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors $0$ 20       16       16'       Brown medium to coarse GRAVEL, wet, no odors $0$ 21       14       16'       Brown medium to coarse GRAVEL, wet, no odors $0$ 22       14       16'       Brown medium to coarse GRAVEL, wet, no odors $0$ 23       16'       16'       Brown medium to coarse GRAVEL, wet, no odors $0$ 24       16'       16'       16'       16'       16'         25       16'       16'       16'       16'       16'         26       16'       16'       16'       16'       16'         27       16'       16'       16'       16'       16'         28       16'       16'       16'       16'       16'       16'         29       16'       16'	
10       12       12.16       40%       0         14       40%       0       0         16       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors       0         18	
14     16-20     40%     16'     Brown medium to coarse GRAVEL, wet, no odors     0       18     16'     Brown medium to coarse GRAVEL, wet, no odors     0       20     End at 20'     0       21     Image: State St	
14       16-20       40%       16'       Brown medium to coarse GRAVEL, wet, no odors       0         18       16'       Brown medium to coarse GRAVEL, wet, no odors       0         20       10       End at 20'       0         22       10       10       10       10         24       10       10       10       10         26       10       10       10       10	
18     0       20     End at 20'       22     0       24     0       26     0	
20 End at 20' 22 24 26	
20 End at 20' 22 24 26	
24 26	
26	
WATER LEVEL DATA BOTTOM OF BOTTOM OF GROUNDWATER MW-09, 10' screen	
DATE TIME ELASPED TIME CASING BORING ENCOUNTERED	
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	

					PROJEC	г	BORING:	SB-18
L	BE	ELIA		Corr	ning Hospital and As		SHEET	1 OF 1
		sociates, P.C.			Corning, New		JOB:	2150606
		CHESTER, NY		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
CO DR	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	201 East First Street 925.122 (USft) END DATE: 4/29/2015	DATUM:	
	TYPE OF DR AUGER SIZE OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
DE		SAMPLE					PID FIELD	
P T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	SCREEN (PPM)	REMARKS
0	0-2	50%	1'			trace vegetation, moist, no odors te fine GRAVEL, moist, no odors	0	
2	2-4	50%	2'		grey	rock fragments	0	Hit refusal at 2', redrill to 8'
4	4-8	50%	3' 3.5'	Brown co		ace brick (fill) e to coarse GRAVEL, moist, no odors	o	
6							0	
8					Re	ofusal at 8'	0	
10								
12								
14								
16								
18								
20								
22								
24								
26						NOTEO		
			BOTTOM OF	DEPTH (FT) BOTTOM OF	GROUNDWATER	NOTES:		
DATE	TIME	ELEVEL DATA	CASING	BORING	ENCOUNTERED			
GE	NERAL NOTE	s	NA	8	NA	L		
	1) STRATIFIC	CATION LINES REPRES				PES, TRANSITIONS MAY BE GRADUA STATED, FLUCTUATIONS OF GROUNE		
						SUREMENTS WERE MADE		SB-18

		sociates, P.C.			PROJEC ning Hospital and As Corning, New se II Environmental	sociated Parcels v York	BORING: SHEET JOB: CHKD BY:	SB-19 1 OF 1 2150606 DPN
NVIRON COI DRI	MENTAL ENGIN NTRACTOR: LLER:	VEERING CONSULTANTS LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCA GROUND SURI START DATE:	FACE ELEVATION	201 East First Street 924.465 (USft) 5 END DATE: 4/29/2015	DATUM:	
	TYPE OF DRIL AUGER SIZE	LL RIG:	Geoprobe 54LT NA		4729/2013	DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
D E P		SAMPLE					PID FIELD SCREEN	
Т Н	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(PPM)	REMARKS
0	0-4	50%	1'			trace vegetation, moist, no odors S (fill), moist, slight petroleum odor	138	
2							20.8	
			3'	Brown/black S	AND and SILT, trace	e fine GRAVEL, moist, slight petroleum odor	18	
4	4-8	60%	4'	Bro	own SILTY SAND, tra	ace fine GRAVEL, moist, no odor	10	
			5'		grey	rock fragments	0.5	
6			6'	Bro	wn SILTY SAND, tra	ce fine GRAVEL, moist, no odors		
8	8-12	60%					0.5	
10							2	
10							2.5	
12	12-15.3	40%	11'	Bro	wn SILTY SAND trac	ce fine GRAVEL, moist, no odors	0.3	
14	15.3-20	60%					0.3	
16	1010 20		17'	в	rown SAND and mer	dium GRAVEL, moist, no odors	0	
18							0	
20					E	End at 20'	0	
22								
24								
26								
		LEVEL DATA	BOTTOM OF	DEPTH (FT) BOTTOM OF		NOTES: MW-10, 10' screen		
ATE	TIME	ELASPED TIME	CASING	BORING				
			19	20	17			
	2) WATER LE	ATION LINES REPRES	BEEN MADE AT	TIMES AND UN	DER CONDITIONS	YPES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDW/ ASUREMENTS WERE MADE	ATER	
							BORING:	SB-19

					PROJEC	т	BORING:	SB-20
$\nabla$	RF	ELIA		Corr	ning Hospital and As	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
	E STREET, RO	CHESTER, NY NEERING CONSULTANT	d	Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
CO DR	NTRACTOR:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCA GROUND SURF START DATE:	ACE ELEVATION	Pearl Street (former) 923.486 (USft) END DATE: 4/29/2015	DATUM:	
	TYPE OF DRII AUGER SIZE OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
DE		SAMPLE					PID FIELD	
P T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	-	VISUAL (	CLASSIFICATION	SCREEN (PPM)	REMARKS
0	0-4	60%	1'			arse GRAVEL, moist, no odors ne coarse GRAVEL, moist, no odors	(	
2			3'	Brown	SAND and SILT trace	e medium GRAVEL, moist, no odors	(	
4	4-8	10%	3	BIOWIT		e medium GRAVEL, moist, no odois	(	
6							(	
8	8-12	50%					0	
10			10'	Brown	SAND and medium	to coarse GRAVEL, moist, no odors	(	
12	12-13.7	40%					(	
14					Ref	usal at 13.7'		
16								
18								
20								
22								
24								
26								
	····			DEPTH (FT)	0001010-000	NOTES:		
DATE	WATER TIME	LEVEL DATA ELASPED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
GE	NERAL NOTES	3	NA	13.7	NA	l		
	1) STRATIFIC	ATION LINES REPRES				PES, TRANSITIONS MAY BE GRADU STATED, FLUCTUATIONS OF GROUN		
	MAY OCCL	JRE DUE TO OTHER FA	ACTORS THAN 1	HOSE PRESEN	T AT THE TIME MEA	SUREMENTS WERE MADE	BORING:	SB-20

					PROJEC	т	BORING:	SB-21
$\Box$	RF	ELIA		Corr	ning Hospital and As	sociated Parcels	SHEET	1 OF 1
		ssociates, P.C.			Corning, New	York	JOB:	2150606
		OCHESTER, NY	s	Pha	se II Environmental \$	Site Assessment	CHKD BY:	DPN
CO DRI	NTRACTOR: ILLER:	LaBella Env. LLC M. Pepe ESENTATIVE: A. Aquilina		BORING LOCA GROUND SURF START DATE:	FACE ELEVATION	176 Denison Parkway East (interior) 923.051 (USft) END DATE: 4/30/2015	DATUM:	
	TYPE OF DRI AUGER SIZE OVERBURDE		Manual NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2* OTHER:		
DE		SAMPLE					PID FIELD	
P T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	-	VISUAL	CLASSIFICATION	SCREEN (PPM)	REMARKS
0	0-2	60%	0.5'	Brown S		RAVEL, moist, no odors e medium GRAVEL, moist, no odors	C	
2	2-4	60%					C	
4	4-8	100%	4'	Brow	m SAND and SILT tra	ace fine GRAVEL, moist, no odors	c	
6							C	
8	8-9	NA			P	əfusal at 9'		macrocore liner stuck, cannot retrieve soil core
10								
12								
14								
16								
18								
20								
22								
24								
26						NOTEO		
	\\/\\TE		POTTOMOT	DEPTH (FT)		NOTES:		
DATE	TIME	R LEVEL DATA	BOTTOM OF CASING	BOTTOM OF BORING 9	GROUNDWATER ENCOUNTERED			
GEI	NERAL NOTE		NA		NA	I		
						PES, TRANSITIONS MAY BE GRADUA STATED, FLUCTUATIONS OF GROUNE		
	MAY OCC	URE DUE TO OTHER FA	ACTORS THAN	THOSE PRESEN	T AT THE TIME MEA	SUREMENTS WERE MADE	BORING:	SB-21

					т	BORING:	SB-22	
	BE	ELIA		Corr	ing Hospital and As		SHEET	1 OF 1
	As	sociates, P.C.			Corning, New		JOB:	2150606
300 STAT	E STREET, RO	CHESTER, NY		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
		NEERING CONSULTANT	5					
	ILLER:	LaBella Env. LLC M. Pepe		BORING LOCAT	ION: ACE ELEVATION	176 Denison Parkway East	DATUM:	
		SENTATIVE: A. Aquilina		START DATE:		END DATE: 4/30/2015	Dirion.	
	TYPE OF DRI AUGER SIZE		Geoprobe 54LT NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
		N SAMPING METHOD:				OTHER:		
	1			1			1	
D		SAMPLE					PID	
E P							FIELD SCREEN	
Т	SAMPLE	SAMPLE NO.	STRATA		VISUAL 0	CLASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-4	30%		Brown S	AND and SILT, som	e medium GRAVEL, moist, no odors	C	
2							C	
-								
4	4-8	30%					C	
			5'	Black ASH and	d CINDERS (fill) som	ne SAND, trace white ASH, moist, no odors		
6							C	
8	8-12	40%	8'	Brown SAND	and SILT some me	dium to coarse GRAVEL, moist, no odors	c	
Ũ	0.12	1070	, i i i i i i i i i i i i i i i i i i i					
10							C	
12	12-16	70%					C	
14							c	
			14'		grey	rock fragments		
16	16-20	40%	16'	Brown	SAND and medium	to coarse GRAVEL, moist, no odors	C	
18							C	
20	20-24	50%				wet	C	
22							C	
				ļ	-		c	
24					E	End at 24'		
26								
				DEPTH (FT)	I	NOTES:		
L	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	24	19			
GE	NERAL NOTES	6						
						PES, TRANSITIONS MAY BE GRADUAL.		
						STATED, FLUCTUATIONS OF GROUNDWA	TER	
	MAY OCCL	JRE DUE TO OTHER FA	ACTORS THAN T	HUSE PRESENT	AT THE TIME MEA	SUREMENTS WERE MADE	BORING:	SB-22
L							DOVINO:	VU-77

IVIRON COI DRI	NTRACTOR:	NEERING CONSULTANT		Phas	BORING:         SB-23           SHEET         1         OF         1           JOB:         2150606         CHKD BY:         DPN			
DRI			5					
	ELLA REPRE	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East 924.675 (USft) 5 END DATE: 4/30/2015	DATUM:	
	TYPE OF DRII AUGER SIZE / OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
D E P		SAMPLE					PID FIELD SCREEN	
Т Н	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(PPM)	REMARKS
0	0-4	60%	0.5'	Brown	Black ASPHALT, moist, no odors Brown SANDY SILT, trace medium GRAVEL, moist, no odors			
2							0	
4	4-8	90%	4'	Brov	vn SANDY SILT, tra	ce fine GRAVEL, moist, no odors	0	
6							0	
8	8-12	60%					0	
10							0	
12	12-16	30%	11.5'		grey	rock fragments	0	
14							0	
16	16-20	40%	16'	Brov	vn fine SAND some	medium GRAVEL, wet, no odors	0	
18							0	
20						End at 20'	0	
22								
24								
26								
				DEPTH (FT)	1	NOTES:		
		LEVEL DATA	BOTTOM OF	BOTTOM OF		MW-11, 10' screen		
ATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED	4		
			17	20	16			
	2) WATER LE	ATION LINES REPRES	BEEN MADE AT	TIMES AND UND	DER CONDITIONS	YPES, TRANSITIONS MAY BE GRADUA STATED, FLUCTUATIONS OF GROUNE		
	MAY OCCL	JRE DUE TO OTHER FA	ACTORS THAN T	HOSE PRESENT	AT THE TIME MEA	ASUREMENTS WERE MADE	BORING:	SB-23

			PROJECT					BORING: SB-24		
L	BE	ELIA		Corr	ning Hospital and As		SHEET	1 OF 1		
	As	sociates, P.C.		5	Corning, New		JOB:	2150606		
	E STREET, RO			Pha	se II Environmental S	bite Assessment	CHKD BY:	DPN		
		NEERING CONSULTANTS LaBella Env. LLC	9	BORING LOCAT	TION [.]	176 Denison Parkway East				
		M. Pepe				926.467 (USft)	DATUM:			
LAE	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	4/30/2015	END DATE: 4/30/2015				
	TYPE OF DRII	LL RIG:	Geoprobe 54LT			DRIVE SAMPLER TYPE: Direct push				
	AUGER SIZE		NA			INSIDE DIAMETER: 2"				
	OVERBURDE	N SAMPING METHOD:	macrocore			OTHER:				
D		SAMPLE					PID			
E		O/WII EE					FIELD			
P T	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL 0	CLASSIFICATION	SCREEN (PPM)	REMARKS		
Н	DEPTH	AND RECOVERY	CHANGE				-			
0	0-4	30%	1'	Bro		ALT, moist, no odors e fine GRAVEL, moist, no odors	O			
2							0			
4	4-8	70%					C			
-	40	10,0					Ŭ			
6							0			
8	8-12	40%					C			
	0.12									
10							0			
12	12-16	0%					C			
14							0			
16	16-20	40%	16'		Brown SAND and	GRAVEL, wet, no odors	0			
18							0			
20					E	ind at 20'	0			
22										
24										
26										
26		L		DEPTH (FT)		NOTES:		1		
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER					
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED					
			NA	20	16					
GE	NERAL NOTES	6								
						PES, TRANSITIONS MAY BE GRADUAL.				
						TATED, FLUCTUATIONS OF GROUNDV SUREMENTS WERE MADE	VAIER			
							BORING:	SB-24		

			PROJECT					BORING: SB-25		
$\mathbf{\Lambda}$	BE	ELIA		Corr	ing Hospital and As		SHEET	1 OF 1		
	As	sociates, P.C.			Corning, New		JOB:	2150606		
300 STAT	E STREET, RO	CHESTER, NY		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN		
		NEERING CONSULTANT								
	ILLER:	LaBella Env. LLC M. Pepe		BORING LOCAT	ION: ACE ELEVATION	144 East First Street 928 925 (USft)	DATUM:			
		SENTATIVE: A. Aquilina		START DATE:		END DATE: 5/1/2015				
	TYPE OF DRI		Geoprobe 54LT							
	AUGER SIZE		NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"				
	OVERBURDE	N SAMPING METHOD:				OTHER:				
D E		SAMPLE					PID FIELD			
Р							SCREEN			
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(PPM)	REMARKS		
0	0-4	30%		P		Γ, trace wood, moist, no odors	0			
0	0-4	30%		Б	IOWIT SAIND and SIL	r, trace wood, moist, no odors	0			
2							0			
4	4-8	70%	4'	Brown	SAND and medium	o coarse GRAVEL, moist, no odors	0			
6							0			
8	8-12	40%					0			
10							0			
10							0			
12	12-16	0%								
14										
16	16-20	0%								
18										
20	20-24	10%			Brown	GRAVEL, wet	0			
20	20-24	1078			Diowin		0			
22							0			
							0			
24					E	ind at 24'				
26										
				DEPTH (FT)		NOTES:				
		LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER	MW-12, 10' screen				
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED					
	1	1	22	24	20					
GE	NERAL NOTES									
						PES, TRANSITIONS MAY BE GRADUAL				
						TATED, FLUCTUATIONS OF GROUNDV SUREMENTS WERE MADE	VAIER			
							BORING:	SB-25		

Associates, P.C. 300 STATE STREET, ROCHESTER, NY ENVIRONMENTAL ENGINEERING CONSULTANTS				Corr	SHEET <b>JOB</b> :	SB-26 1 OF 1 2150606 DPN		
CON DRIL	ITRACTOR: LER:	LaBella Env. LLC M. Pepe SENTATIVE: A. Aquilina	BORING LOCATION:         176 Denison Parkway East           GROUND SURFACE ELEVATION         928.36 (USft)				DATUM:	
	TYPE OF DRIL AUGER SIZE / OVERBURDE		Geoprobe 54LT NA macrocore			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2* OTHER:		
D E P	SAMPLE						PID FIELD SCREEN	
т Н	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL	CLASSIFICATION	(PPM)	REMARKS
0	0-4	40%		Brov	vn SAND and SILT,	trace BRICK (fill), moist, no odors	0	
2							0	
4	4-8	30%					0	
6							0	
8	8-12	60%					0	
10			9,	Brown	SAND and medium	to coarse GRAVEL, moist, no odors	0	
12	12-16	50%	16'	E	Brown medium GRA	VEL 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	
24					I	End at 24'	0	
26								
			DOTTO	DEPTH (FT)	0001000	NOTES:		
DATE	WATER TIME	LEVEL DATA ELASPED TIME	BOTTOM OF CASING 22	BOTTOM OF BORING 24	ENCOUNTERED	MW-13, 10' screen		
	2) WATER LE	ATION LINES REPRES	ENT APPROXMA BEEN MADE AT	TE BOUNDARY	DER CONDITIONS	I /PES, TRANSITIONS MAY BE GRADU/ STATED, FLUCTUATIONS OF GROUN SUREMENTS WERE MADE	DWATER	SB-26

					г	BORING:	SB-29	
$\Box$	RF			Corr	ning Hospital and As	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
300 STAT	E STREET, ROO	HESTED NY		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
		NEERING CONSULTANTS						
		TREC Environmental		BORING LOCAT		176 Denison Parkway East (interior)		
		C. Britton			ACE ELEVATION		DATUM:	
LAE	BELLA REPRES	SENTATIVE: A. Aquilina		START DATE:	5/5/2015	END DATE: 5/5/2015		
	TYPE OF DRIL	L RIG:	Geoprobe 420M	l		DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE		NA			INSIDE DIAMETER: 2"		
	OVERBURDE	N SAMPING METHOD:	macrocore			OTHER:		
_							DID	
D E		SAMPLE					PID FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA			CLASSIFICATION	SCREEN (PPM)	REMARKS
н	DEPTH	AND RECOVERY	CHANGE		VISUAL	LASSIFICATION	(PPIVI)	REMARKS
0	0-4	40%		Brown		rete floor slab e medium GRAVEL, moist, no odors	0	
0	<b>U</b> 1	10,0		Diomite				
2							0	
4	4-8	30%					0	
6							0	
0							0	
						wet		
8	8-12	60%	8'	Bro	wn coarse SAND so	me fine GRAVEL, wet, no odors	0	
			9.5'	Brow	n medium GRAVEL	trace coarse SAND, wet, no odors		
10							0	
							0	
12					E	ind at 12'		
14								
16								
18								
20								
20								
22								
24								
~~								
26				DEPTH (FT)		NOTES:	1	1
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	12	7			
CE.	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL.		
						PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDWA	TER	
						SUREMENTS WERE MADE		
1							BORING:	SB-29

					г	BORING:	SB-30	
L	BF	ELIA		Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New		JOB:	2150606
300 STAT	E STREET, RO	CHESTED NV		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
		NEERING CONSULTANT	5					
		TREC Environmental		BORING LOCAT		176 Denison Parkway East (interior)		
	ILLER:	C. Britton			ACE ELEVATION		DATUM:	
LAE	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	5/5/2015	END DATE: 5/5/2015		
	TYPE OF DRI	LL RIG:	Geoprobe 420M	I		DRIVE SAMPLER TYPE: Direct push		
	AUGER SIZE		NA			INSIDE DIAMETER: 2"		
	OVERBURDE	IN SAMPING METHOD:	macrocore			OTHER:		
D E		SAMPLE					PID FIELD	
Р		-					SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL (	CLASSIFICATION	(PPM)	REMARKS
	DEFIN	AND RECOVERT	CHANGE		Conc	rete floor slab		
0	0-4	0%					0	
2							0	
		5001		_				
4	4-8	50%	4'	Brown	SAND and medium	to coarse GRAVEL, wet, no odors	0	
c							0	
6							0	
8						End at 8'	0	
0								
10								
12								
14								
16								
18								
~~								
20								
22								
22								
24								
-7								
26								
				DEPTH (FT)		NOTES:		
L	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
			NA	8	4			
CE.	NERAL NOTE		-					
GEI					RETWEEN COULTY	PES, TRANSITIONS MAY BE GRADUAL.		
						PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDW/	ATER	
						SUREMENTS WERE MADE		
							BORING:	SB-30

			PROJECT					SB-31
ΙΛ	BE			Corn	ing Hospital and As		SHEET	1 OF 1
`	As	sociates, P.C.			Corning, New		JOB:	2150606
	E STREET, RO	CHESTER, NY NEERING CONSULTANTS		Phas	se II Environmental \$	Site Assessment	CHKD BY:	DPN
DRI	ILLER:	TREC Environmental C. Britton SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East (interior) 922.94 (USft) END DATE: 5/5/2015	DATUM:	
	TYPE OF DRI AUGER SIZE OVERBURDE		Geoprobe 420M NA macrocore	I		DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2* OTHER:		
D E		SAMPLE					PID FIELD	
P T	SAMPLE		STRATA		VICUAL		SCREEN	DEMARKS
H	DEPTH	SAMPLE NO. AND RECOVERY	CHANGE			CLASSIFICATION	(PPM)	REMARKS
0	0-2	10%			Conc	rete floor slab	0	
			1.5'	Brown	SAND some fine to	medium GRAVEL, moist, no odors		
2	2-6	70%					0	
4							0	
-							0	
				Brov	wn SANDY SILT trac	e fine GRAVEL, moist, no odors		
6	6-10	95%	6'				0	
8							0	
0							0	
10	10-14	60%					0	
12			12'	В	rown medium GRA	/EL and SAND, wet, no odors	0	
14	14-18	0%					0	
16							0	
18					E	End at 18'	0	
20								
22								
24								
26								
				DEPTH (FT)		NOTES:	•	•
	WATER	LEVEL DATA	BOTTOM OF	BOTTOM OF		MW-07, 10' screen		
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
		L	18	18	12			
GEI	NERAL NOTES							
						'PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDW/	TER	
						SUREMENTS WERE MADE		
							BORING:	SB-31

					г	BORING:	SB-32	
L	ЪЕ	ELIA		Corr	ning Hospital and Ass		SHEET	1 OF 1
	As	sociates, P.C.		5	Corning, New		JOB:	2150606
300 STAT	E STREET, ROO	CHESTER, NY		Phas	se II Environmental S	lite Assessment	CHKD BY:	DPN
	IMENTAL ENGIN NTRACTOR:	NEERING CONSULTANTS	4	BORING LOCAT	TON:	176 Denison Parkway East		
		B. Guyette SENTATIVE: A. Aquilina		GROUND SURF START DATE:	ACE ELEVATION 5/5/2015	927.125 (USft) END DATE: 5/5/2015	DATUM:	
	TYPE OF DRIL		Rotary drill rig	-				
	AUGER SIZE		NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
	OVERBURDE	N SAMPING METHOD:	split spoon			OTHER:		
D E		SAMPLE					PID FIELD	
Р				_			SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL C	CLASSIFICATION	(PPM)	REMARKS
0	0-2	10%			Black ASPH	ALT, moist, no odors	0	
0	0-2	1078	1.5'			nd GRAVEL, moist, no odors	0	
2							0	
							0	
4					E	End at 4'		
6								
8								
10								
10								
12								
14								
16								
18								
20								
20								
22								
24								
26								
				DEPTH (FT)		NOTES:		
L		LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
		L	NA	4	NA			
GEI	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL.	TED	
						TATED, FLUCTUATIONS OF GROUNDWA SUREMENTS WERE MADE	NIER.	
							BORING:	SB-32

					PROJEC	г	BORING:	SB-33
L	BE			Corn	ing Hospital and Ass		SHEET	1 OF 1
	As	sociates, P.C.			Corning, New		JOB:	2150606
300 STAT	E STREET, ROO	CHESTER, NY		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
		NEERING CONSULTANT	s					
	NTRACTOR:			BORING LOCAT		176 Denison Parkway East		
		B. Guyette SENTATIVE: A. Aquilina		START DATE:	ACE ELEVATION	926.585(USft) END DATE: 5/5/2015	DATUM:	
LAL				START DATE.	5/5/2013	END DATE: 3/3/2013		
	TYPE OF DRIL		Rotary drill rig			DRIVE SAMPLER TYPE: Direct push		
		AND TYPE: N SAMPING METHOD:	NA split spoon			INSIDE DIAMETER: 2" OTHER:		
	OVERBORDE		spiit spoon	T		omen.		1
D		SAMPLE					PID	
E							FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL (	CLASSIFICATION	SCREEN (PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-2	10%			Black ASPH	ALT, moist, no odors	0	
			1.5'		Brown/grey SAND a	nd GRAVEL, moist, no odors		
2							0	
						- 1 - 1 41	0	
4						End at 4'		
6								
8								
10								
12								
14								
16								
18								
10								
20								
22								
24								
24								
26								
				DEPTH (FT)		NOTES:		
		LEVEL DATA	BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME	CASING	BORING	ENCOUNTERED			
	l		NA	4	NA			
GE	NERAL NOTES	3						
						PES, TRANSITIONS MAY BE GRADUAL.		
						STATED, FLUCTUATIONS OF GROUNDW/ SUREMENTS WERE MADE	ATER	
		DOE TO OTHER FA	STONO THAN I				BORING:	SB-33

					PROJECT	r	BORING:	SB-34
L	RF	ELIA		Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
	E STREET, RO			Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
COI DRI	NTRACTOR: ILLER:	NEERING CONSULTANT NYEG B. Guyette SENTATIVE: A. Aquilina		BORING LOCAT GROUND SURF START DATE:	ACE ELEVATION	176 Denison Parkway East 925.376(USft) END DATE: 5/5/2015	DATUM:	
	TYPE OF DRI AUGER SIZE OVERBURDE		Rotary drill rig NA split spoon			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2" OTHER:		
							DID	
D E		SAMPLE					PID FIELD	
P T	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL (	CLASSIFICATION	SCREEN (PPM)	REMARKS
H	DEPTH	AND RECOVERY	CHANGE		VIGO/LE C		(1110)	
0	0-2	10%	1.5'	1		ALT, moist, no odors nd GRAVEL, moist, no odors	0	
2							0	
							0	
4					E	End at 4'		
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
			DOTTO:	DEPTH (FT)	0001100000	NOTES:		
DATE			BOTTOM OF	BOTTOM OF				
DATE	TIME	ELASPED TIME	CASING NA	BORING 4	ENCOUNTERED NA			
				т Т				
	1) STRATIEIC					PES, TRANSITIONS MAY BE GRADUAL.		
						TATED, FLUCTUATIONS OF GROUNDWA	TER	
	MAY OCCU	JRE DUE TO OTHER F	ACTORS THAN	THOSE PRESENT	TAT THE TIME MEA	SUREMENTS WERE MADE	DODING	CD 24
1							BORING:	SB-34

	_				PROJEC [®]	г	BORING:	SB-35
$\Box$	RF			Corr	ning Hospital and Ass	sociated Parcels	SHEET	1 OF 1
		sociates, P.C.			Corning, New	York	JOB:	2150606
300 STAT	E STREET, RO	CHESTER NY		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
ENVIRON	IMENTAL ENGI	NEERING CONSULTANT	9					
	NTRACTOR: ILLER:			BORING LOCAT		176 Denison Parkway East	DATUM	
		B. Guyette SENTATIVE: A. Aquilina		START DATE:	FACE ELEVATION 5/5/2015	END DATE: 5/5/2015	DATUM:	
	TYPE OF DRI		Rotary drill rig NA			DRIVE SAMPLER TYPE: Direct push INSIDE DIAMETER: 2"		
		N SAMPING METHOD:				OTHER:		
								ſ
D		SAMPLE					PID	
E P							FIELD SCREEN	
т	SAMPLE	SAMPLE NO.	STRATA		VISUAL (	CLASSIFICATION	(PPM)	REMARKS
Н	DEPTH	AND RECOVERY	CHANGE					
0	0-2	10%	1.5'			ALT, moist, no odors nd GRAVEL, moist, no odors	0	
			1.5		Brown/grey SAND a	Id GRAVEL, moist, no odors		
2			2'		Black/grev AS	SH and CINDERS (fill)	0	
2			2		Diacity re		0	
							0	
4					I	End at 4'		
6								
8								
_								
10								
12								
14								
16								
40								
18								
20								
22								
24								
27								
26								
				DEPTH (FT)		NOTES:		
			BOTTOM OF	BOTTOM OF	GROUNDWATER			
DATE	TIME	ELASPED TIME		BORING				
	I	<u> </u>	NA	4	NA			
GEI	NERAL NOTES							
						PES, TRANSITIONS MAY BE GRADUAL. STATED, FLUCTUATIONS OF GROUNDW	ATER	
						SUREMENTS WERE MADE		
1							BORING:	SB-35

**TEST PIT LOGS** 

				PROJEC	г	TEST PIT:	TP-01
ΛRF	ELIA		Corn	ing Hospital and As	sociated Parcels	SHEET	1 OF 1
	ssociates, P.C.			Corning, New	York	JOB:	2150606
				se II Environmental	Site Assessment	CHKD BY:	DPN
) STATE STREET, F VIRONMENTAL EN	ROCHESTER, NY GINEERING CONSULTANTS						
CONTRACTOR	: LaBella Environmental	LLC	LOCATION		176 Denison Parkway East	•	
OPERATOR	J. Heerkens		GROUND SURF	FACE ELEVATION	NA	DATUM:	
LABELLA REPF	RESENTATIVE: A. Aquilina	1	START DATE:	5/8/2015	END DATE: 5/8/2015		
D E P	SAMPLE					PID FIELD SCREEN	
T SAMPLE H DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL (	CLASSIFICATION	(PPM)	REMARKS
0	AND RECOVERT	0.3'	Bro		sphalt 0-4" trace vegetation, moist, no odor		
		1.5		0	lass bottle		Fill 1.5'
2							
						0	
4							
_							
6							
					End at 7'		
8							
10							
			DEPTH (FT)		NOTES:		
			BOTTOM OF	GROUNDWATER			
			TEST PIT	ENCOUNTERED			
			7	NA			

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

					PROJEC	т	TEST PIT:	TP-02
Λ	RF	ELLA		Corn	ing Hospital and As	sociated Parcels	SHEET	1 OF 1
_		sociates, P.C.			Corning, New	York	JOB:	2150606
	A5	5001aues, r.C.		Phas	se II Environmental	Site Assessment	CHKD BY:	DPN
	E STREET, RO IMENTAL ENGI	CHESTER, NY NEERING CONSULTANTS						
CO	NTRACTOR:	LaBella Environmental	LLC	LOCATION		176 Denison Parkway East		
OP	ERATOR	J. Heerkens		GROUND SURF	FACE ELEVATION	NA	DATUM:	
LA	BELLA REPRE	SENTATIVE: A. Aquilina	a	START DATE:	5/8/2015	END DATE: 5/8/2015		I
D E P		SAMPLE					PID FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL (	CLASSIFICATION	(PPM)	REMARKS
0	DEPTH	AND RECOVERT	0.3'	Brov		sphalt 0-4" trace vegetation, moist, no odor		
2			2.5'	A	SH and CINDERS tra	ace metal (wire), ceramic cups	0	
4								Fill 2.5-6'
6			6'	Na	ative soils- brown SA	AND and SILT, moist, no odors		
						End at 7'		
8								
10						1		
				DEPTH (FT)	T	NOTES:		
				BOTTOM OF	GROUNDWATER			
				TEST PIT	ENCOUNTERED			
				7	NA			

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

_					PROJEC	т	TEST PIT:	TP-03
Λ	RF	ELIV		Corr	ing Hospital and Ass	sociated Parcels	SHEET	1 OF 1
-		sociates, P.C.			Corning, New	York	JOB:	2150606
	A5	5001ates, r.c.		Pha	se II Environmental S	Site Assessment	CHKD BY:	DPN
	TE STREET, RO IMENTAL ENGI	CHESTER, NY NEERING CONSULTANTS						
CO	NTRACTOR:	LaBella Environmental L	LC	LOCATION		176 Denison Parkway East		
OP	ERATOR	J. Heerkens		GROUND SURF	FACE ELEVATION	NA	DATUM:	
LAE	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	5/8/2015	END DATE: 5/8/2015		
D E		SAMPLE					PID FIELD	
P							SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE		VISUAL C	CLASSIFICATION	(PPM)	REMARKS
0	DEITI	AND RECOVERT	0.3'	Bro		sphalt 0-4" trace vegetation, moist, no odor		
						0		
2			2'			white ASH		Fill 2-3.5'
			3'		tr	ace WOOD	0	1 11 2-3.5
			3.5'	Na	ative soils- brown SA	ND and SILT, moist, no odors		
4								
					I	End at 5'		
6								
•								
8								
10						I		
				DEPTH (FT)	1	NOTES:		
				BOTTOM OF	GROUNDWATER			
				TEST PIT	ENCOUNTERED			
				5	NA			

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

_					PROJEC	г	TEST PIT:	TP-04
Λ	RF	ELIA		Corn	ing Hospital and Ass	ociated Parcels	SHEET	1 OF 1
- '		sociates, P.C.			Corning, New	York	JOB:	2150606
	A5	5001ates, r.c.		Phas	e II Environmental S	ite Assessment	CHKD BY:	DPN
	TE STREET, RO IMENTAL ENGI	CHESTER, NY NEERING CONSULTANTS						
CO	NTRACTOR:	LaBella Environmental L	LC	LOCATION		176 Denison Parkway East		
	ERATOR	J. Heerkens			ACE ELEVATION		DATUM:	
LA	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	5/8/2015	END DATE: 5/8/2015		
D		SAMPLE					PID	
E							FIELD	
Р Т	SAMPLE	SAMPLE NO.	STRATA	-	VISUAL	LASSIFICATION	SCREEN (PPM)	REMARKS
н	DEPTH	AND RECOVERY	CHANGE				(11 M)	REMPARIO
0			0.3'	Deer		phalt 0-4" trace vegetation, moist, no odor		
0			0.3	DIO	WI SAND and SILT,	trace vegetation, moist, no odor		
			1'		Black ASH and C	INDERS, moist, no odor		
•			0					
2			2'		WOOd, D	rick pavers, metal		Fill 1-4'
							0	
					•			
4			4'			ent building foundation)		
					i i i i i i i i i i i i i i i i i i i			
6								
8								
10						NOTEO		
				DEPTH (FT)		NOTES:		
				BOTTOM OF	GROUNDWATER			
				TEST PIT	ENCOUNTERED			
				4	NA			

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

_					PROJEC	т	TEST PIT:	TP-05
Λ	RF	ELIA		Corn	ing Hospital and Ass	sociated Parcels	SHEET	1 OF 1
- '		sociates, P.C.			Corning, New	York	JOB:	2150606
	AS	sociates, F.C.		Phas	se II Environmental S	Site Assessment	CHKD BY:	DPN
	TE STREET, RO IMENTAL ENGI	CHESTER, NY NEERING CONSULTANTS						
CO	NTRACTOR:	LaBella Environmental L	LC	LOCATION		176 Denison Parkway East		
OP	ERATOR	J. Heerkens		GROUND SURF	FACE ELEVATION	NA	DATUM:	
LA	BELLA REPRE	SENTATIVE: A. Aquilina		START DATE:	5/8/2015	END DATE: 5/8/2015		
D E P		SAMPLE					PID FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE			CLASSIFICATION	(PPM)	REMARKS
0			0.3'			sphalt 0-4" nd SILT, moist, no odor		
			1'		Black ASH and C	CINDERS, moist, no odor		
2			3'		ceramic, b	rick, concrete, wood	0	Fill 1-5'
4			5'	N		AND and SILT, moist, no odor End at 5'		
6								
8								
10								
				DEPTH (FT)	1	NOTES:		
				BOTTOM OF	GROUNDWATER			
				TEST PIT	ENCOUNTERED			
				5	NA			

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

					PROJEC	r	TEST PIT:	TP-06
ΛF	$\mathbf{R}$	ΈLLΛ		Corn	ing Hospital and As	ociated Parcels	SHEET	1 OF 1
<u> </u>		sociates, P.C.			Corning, New	York	JOB:	2150606
	A5	50Clates, r.c.		Phas	e II Environmental S	Site Assessment	CHKD BY:	DPN
		CHESTER, NY NEERING CONSULTANTS						
CONTR	ACTOR:	LaBella Environmental L	LC	LOCATION		176 Denison Parkway East		
OPERA		J. Heerkens			ACE ELEVATION		DATUM:	
LABELL	A REPRES	SENTATIVE: A. Aquilina		START DATE:	5/8/2015	END DATE: 5/8/2015		
D E		SAMPLE					PID FIELD	
	AMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	-	VISUAL C	CLASSIFICATION	SCREEN (PPM)	REMARKS
0			0.3'		Brown SAND a	nd SILT, moist, no odor		
			1'		some glass	(1-3'), rope, concrete		
2			3'		some	white ash (3-4')	0	Fill 1-6'
4					…tra	ce brick (4-6')		
6								
8						End at 7'		
10								
				DEPTH (FT)	1	NOTES:		
				BOTTOM OF	GROUNDWATER			
				TEST PIT	ENCOUNTERED			
				7	NA			

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

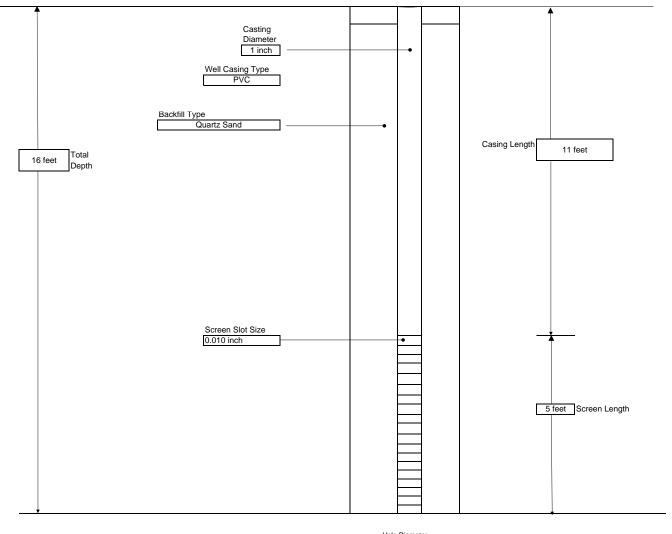
					PROJEC	г	TEST PIT:	TP-07
Λ	RF	ELIV		Corn	ing Hospital and As	sociated Parcels	SHEET	1 OF 1
- '		sociates, P.C.			Corning, New	York	JOB:	2150606
	A5	5001a065, F.C.		Phas	se II Environmental	Site Assessment	CHKD BY:	DPN
	TE STREET, RO	CHESTER, NY NEERING CONSULTANTS						
CO	NTRACTOR:	LaBella Environmental I	LLC	LOCATION		176 Denison Parkway East		
OP	ERATOR	J. Heerkens		GROUND SURF	ACE ELEVATION	NA	DATUM:	
LA	BELLA REPRE	SENTATIVE: A. Aquilina	I	START DATE:	5/8/2015	END DATE: 5/8/2015		
D E P		SAMPLE					PID FIELD SCREEN	
T H	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	1	VISUAL (	CLASSIFICATION	(PPM)	REMARKS
0			0.3'		Brown SAND a	nd SILT, moist, no odor		
2			2.5'			ne brick and concrete, moist, no odors amic cups, fuze box, clay jug, wire (2.5-8')	0	
4								Fill 2.5-8'
6								
8								
10						End at 9'	-	
		1	1	DEPTH (FT)		NOTES:		1
				BOTTOM OF	GROUNDWATER			
				TEST PIT	ENCOUNTERED			
				9	NA			

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

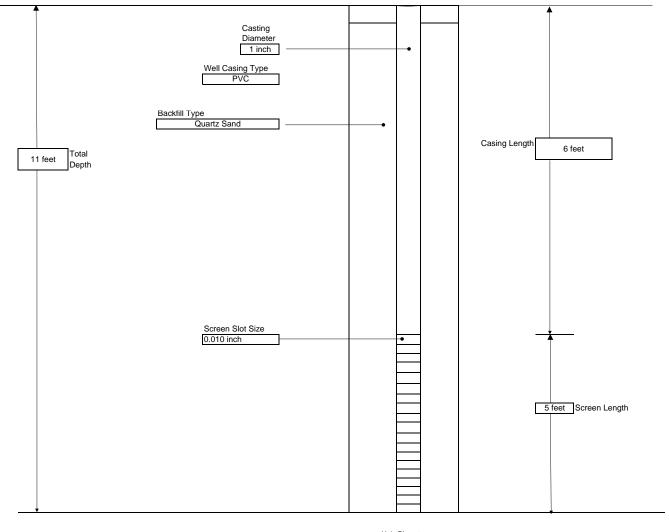
MONITORING WELL CONSTRUCTION DIAGRAMS

ΙΔΒΕΙΙΔ	PROJECT	MONITORING WELL: MW-01
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	<b>SHEET</b> 1 OF 1 <b>JOB #</b> 2150606
CONTRACTOR: LaBella Env. LLC	BORING LOCATION: SB-01	
DRILLER: M. Pepe	GROUND SURFACE ELEVATION: 924.685 (US	t)
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		



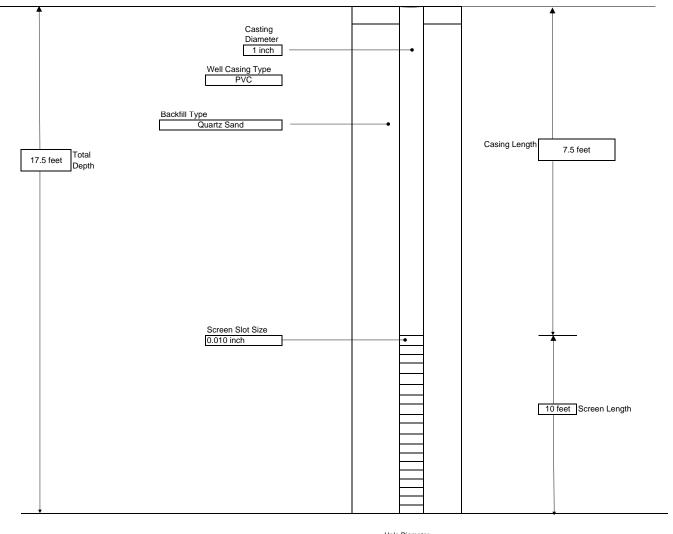
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-02
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	<b>SHEET</b> 1 OF 1 <b>JOB #</b> 2150606
CONTRACTOR: LaBella Env. LLC DRILLER: M. Pepe	BORING LOCATION: SB-02 GROUND SURFACE ELEVATION: 924.76 (USf	<u>,</u>
LABELLA REPRESENTATIVE: A. Aquilina	GROUND SURFACE ELEVATION: 924.76 (USf 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		



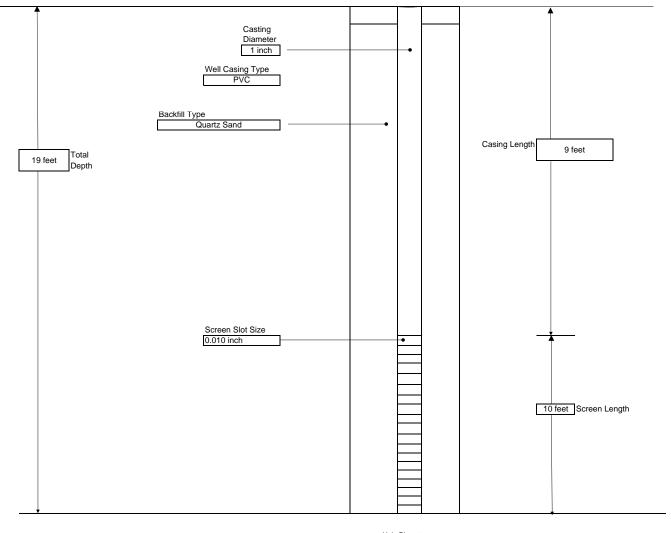
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-03	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606	
CONTRACTOR: LaBella Env. LLC DRILLER: M. Pepe	BORING LOCATION: SB-04 GROUND SURFACE ELEVATION: 923.915 (US	1)	
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			



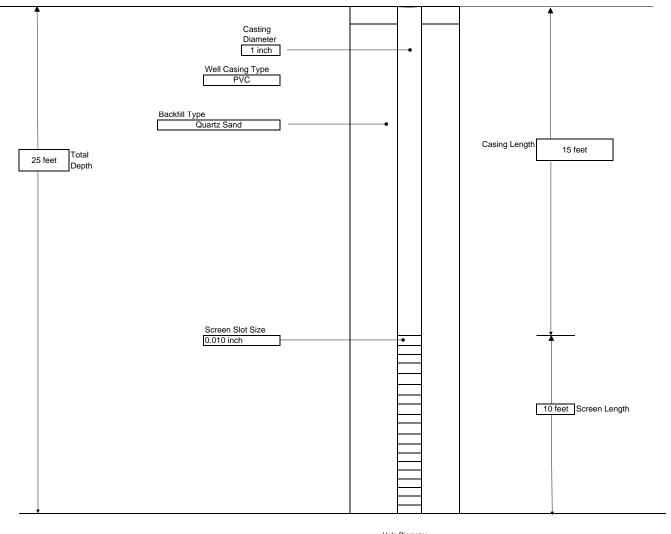
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-04
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606
CONTRACTOR: LaBella Env. LLC DRILLER: M. Pepe	BORING LOCATION: SB-07 GROUND SURFACE ELEVATION: 925.855 (US	***
LABELLA REPRESENTATIVE: A. Aquilina	START DATE: 4/27/2015 END DATE:	,
TYPE OF DRILL RIG: Geoprobe 54LT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: macrocore		
ROCK DRILLING METHOD: NA		



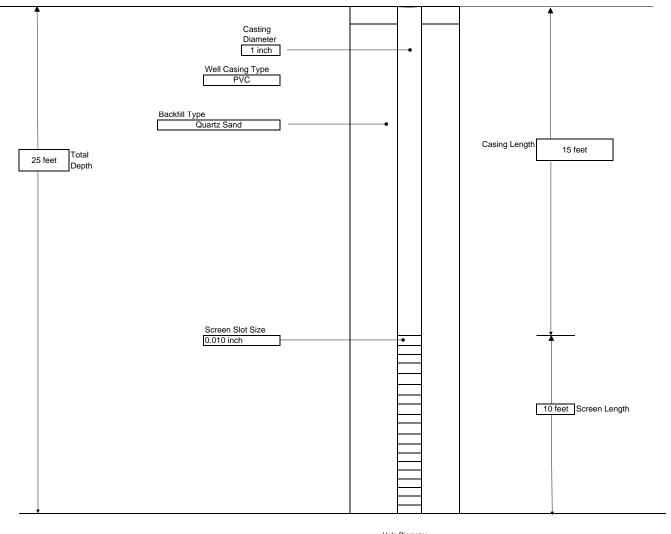
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-05	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 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			



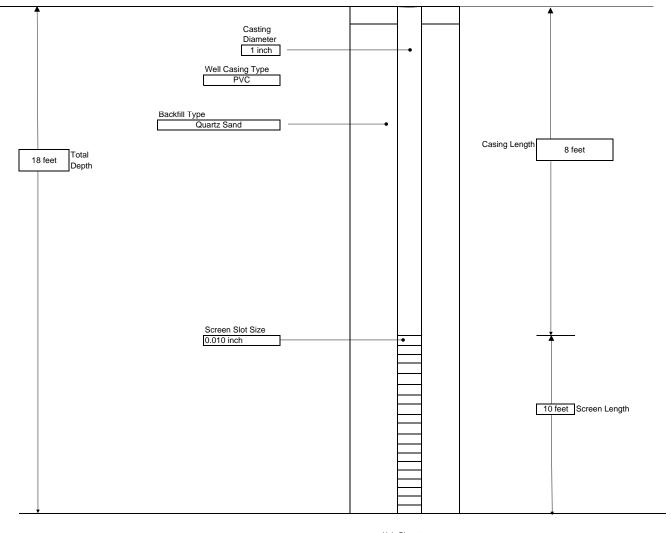
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-06	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606	
CONTRACTOR: NYEG	BORING LOCATION: SB-28		
DRILLER: B. Guyette	GROUND SURFACE ELEVATION: 930.355 (USf	)	
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			



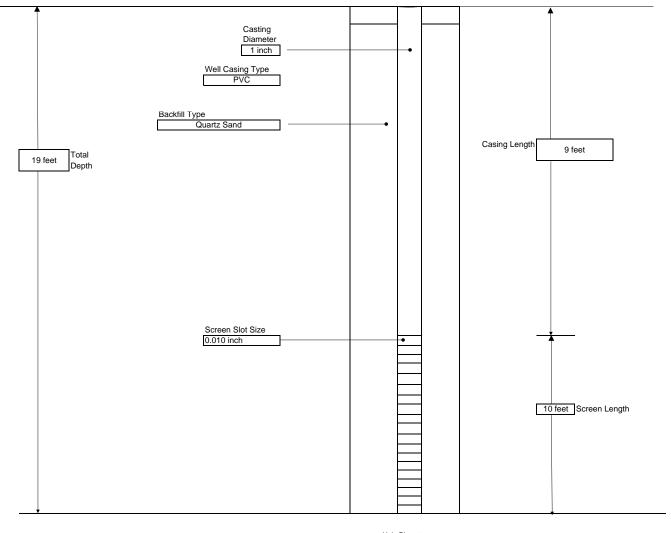
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-07	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	<b>SHEET</b> 1 OF 1 <b>JOB #</b> 2150606	
CONTRACTOR: TREC Environmental	BORING LOCATION: SB-31		
DRILLER: C. Britton	GROUND SURFACE ELEVATION: 922.94 (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			



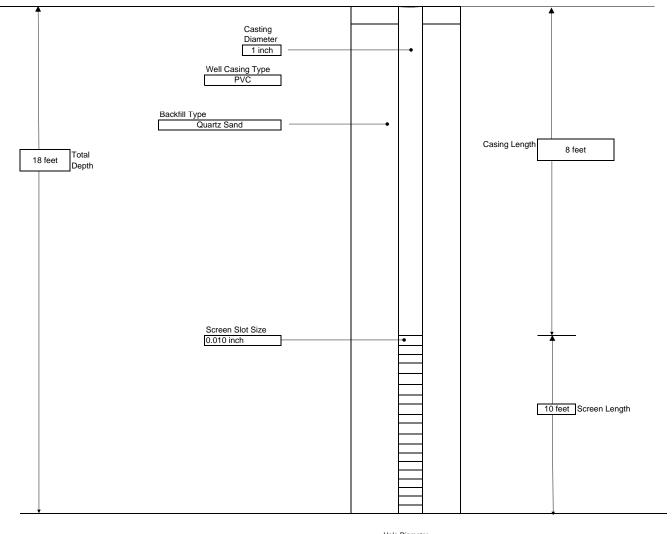
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-08
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606
CONTRACTOR: LaBella Env. LLC	BORING LOCATION: SB-16	<b>2</b> (4)
DRILLER: M. Pepe	GROUND SURFACE ELEVATION: 925.825 (U	
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		



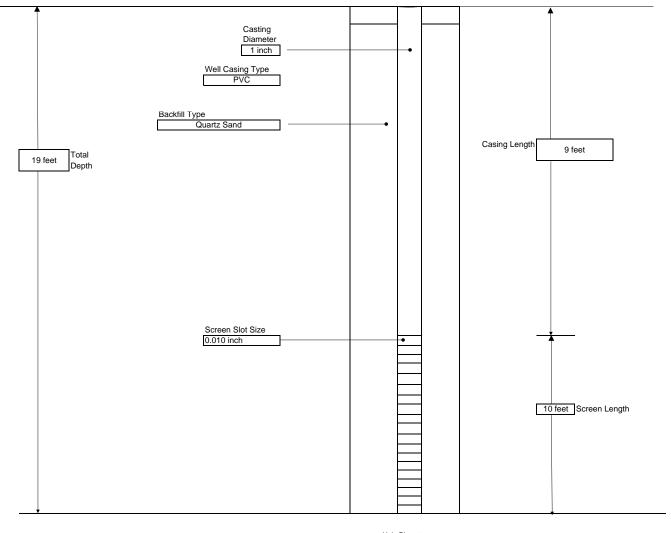
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-09
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606
CONTRACTOR: LaBella Env. LLC	BORING LOCATION: SB-17	
DRILLER: M. Pepe	GROUND SURFACE ELEVATION: 925.025 (US	Stt)
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		



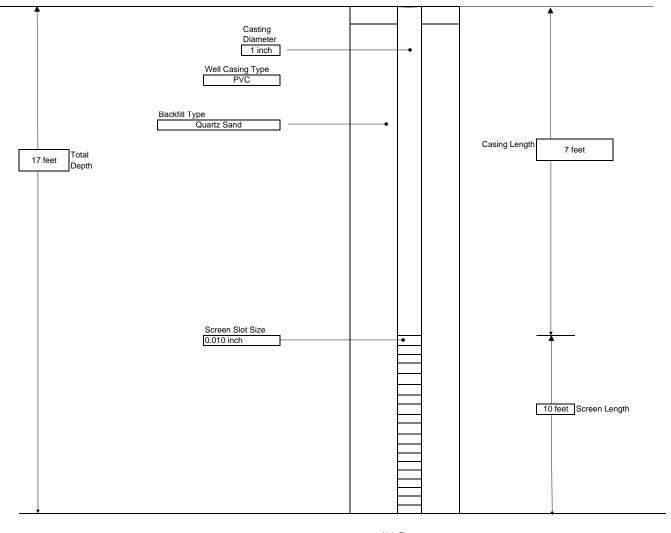
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-10	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606	
CONTRACTOR: LaBella Env. LLC	BORING LOCATION: SB-19		
DRILLER: M. Pepe	GROUND SURFACE ELEVATION: 924.465 (US	it)	
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			



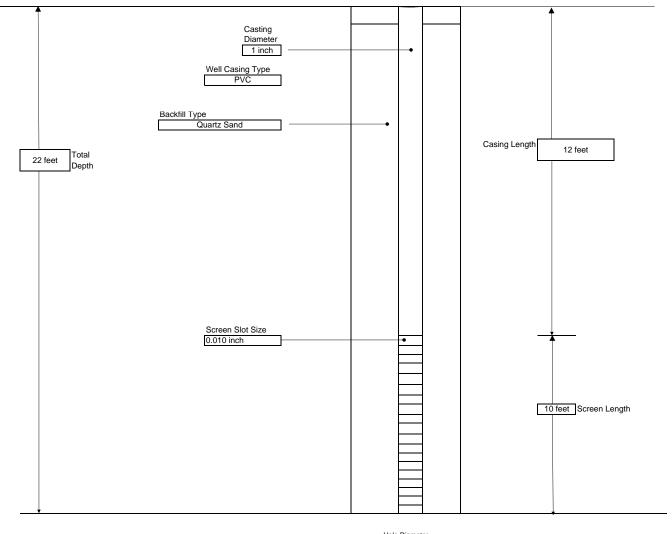
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-11	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606	
CONTRACTOR: LaBella Env. LLC DRILLER: M. Pepe	BORING LOCATION: SB-23 GROUND SURFACE ELEVATION: 924.675 (US	41	
DRILLER: M. Pepe LABELLA REPRESENTATIVE: A. Aquilina	GROUND SURFACE ELEVATION: 924.675 (US 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			



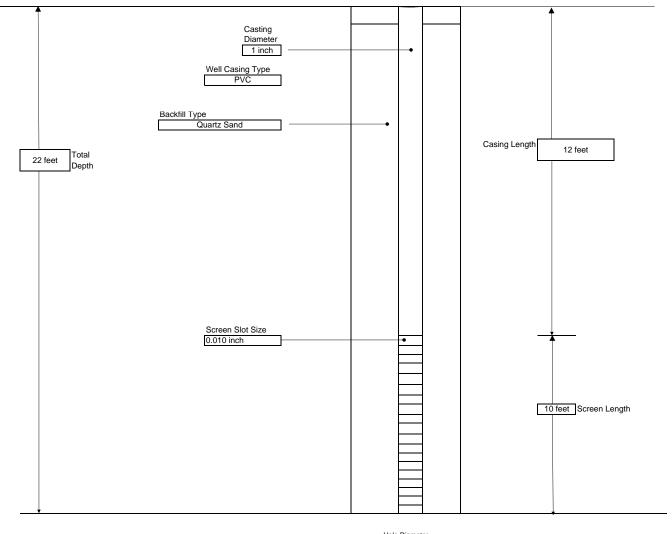
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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-12	
Associates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	SHEET 1 OF 1 JOB # 2150606	
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			



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ΙΔΒΕΓΙΔ	PROJECT	MONITORING WELL: MW-13	
Absociates, P.C. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	Corning Hospital and Associated Parcels Corning, New York Phase II Environmental Site Assessment	<b>SHEET</b> 1 OF 1 <b>JOB #</b> 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			



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LOW FLOW GROUNDWATER SAMPLING LOGS

Purge Ti	A ONE	272 272 275 275 275	Time Pump Rate (ml/min)	Well Diameter:2"Depth of Well:i 175Measuring Point:Top of PVPump Type:1.75" BladFIELD PARAMETER MEASUREMENT	300 State Street Rochester, New You Telephone: (585) 4 WELL I.D.: WELL SAMPI
Total <u>O</u> , <u>S</u> Purge Time Start: <u>7</u> ( 5 OBSERVATIONS	0.40	0000	Rate Gallons nin) Purged	meter: Well: g Point: pe: ETER ME.	454 (ork 1
	89.4 89.4 89.4	NA NA	ons pH zed +/~ 0.1	2" it.75 Top of PVC 1.75" Bladd ASUREMENT	Associates, PC. t York 14614 5) 454-6110 ) 454-3066 ) 454-306
Gallons Purged	6 13,2		Temp °C	2" iキュスタ Top of PVC 1.75" Bladder pump REMENT	ATION CATION
Purge Time End:	2 22	21.14	Conductivity (mS/cm) +/- 3%	du	Project Name: Location: Project No.: Sampled By: Date: Weather:
ne End:	24.2	2.03 2.14 2.17 2.17 2.17 2.17 2.17 2.17 2.17 2.17	i Vorte		
046	58.t	1211124 1211124 1211124	Dissolved O ₂ (mg/L) + 10%		Ste
	205.4	217.3	Redox (mV) +/- 10 mV	Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:	Jorning Hespiters
Final Stat	1 E'SI	NAMON	Depth to Water (feet)		
Final Static Water Level:	Sumper 13 740		Comments	W" LDPE	

			920	9 57	9/10		558			Time	FIELD			_					
Purge Time Start: OBSERVATIONS	Total						152		(mi/min)	Pump Rate	FIELD PARAMETER MEASUREMENT	Measuring Point: Pump Type:	Well Diameter:	WELL SAMPLING INFORMATION	WELL I.D.:	Telephone: (585) 454-6110 Facsimile: (585) 454-3066	300 State Street Rochester, New York 14614		
art: 355	26,0		0,35	0					Purged	Gallons	R MEASU		ĩ	PLING IN		) 454-6110 454-3066	fork 14614	Associates, PC	
X	Gallons Purged		6.75	6.75	6.13	10 20	1	+/- 0.1		рH	REMENT	19, LO Top of PVC 1.75" Bladder pump		FORMAT	MIN-SB2 MUS 1				>
	urged		11.4	11,4	F				ဂံ	Temp		der pum	:	ION	5	1 <del>-</del>			
Purge Time End			4.85	1.000	22,2	( ) ) ( ) )	4.82	+/- 3%	(mS/cm)	Conductivity		σ				Sampled By: Date:	Project No.:	Project Name: Location:	
e Fud.			38/3	8	19.5		80108		(NTN)	Turbi				10	1 1	, I	î.	ne:	\$
920			203	6	pt t	1.00	1.1	+ 10%	O ₂ (mg/L)	Dissolved			2						
			133.8	2339	135.2	5000	236.6	+/- 10 mV	(mV)	Redox		Length of Well Screen: Depth to Top of Pump: Tubing Type:	Static Water Level:	1000					
Final Stat			んた	2	4	00			(feet)	Depth to Water		T P F		5.26 - 1 - 5 A					
Final Static Water Level: 17, 70			Sumple 920							Comments		1/2" LDPE	Sol E						

Total Purge Time Start: OBSERVATIONS		1155	11/20	asi 0411		Time Pump Rate (ml/min)	FIELD PARAMETER MEASUREMENT	Well Diameter: Depth of Well: Measuring Point: Pump Type:	WELL SAMPLING INFORMATION	Associates 300 State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-3066 WELL I.D.: MW
$\sim$		0, r 0, 25	2.15	0.05		Gallons Purged	MEASU	1акт.	ING INF	Associates, PC. Associates, PC. Associates, PC. Associates, PC. Associates, PC. Associates, PC. Associates, PC. Associates, PC.
5 Gallons Purged		, 0, t	101t	1 355 1	+/- 0.1	РH	UEMENT	2" 23.65 Top of PVC 1.75" Bladder pump	ORMATI	cciarces, FIC. 14614 44-6110 1-3066 MW-SB2 N/V
urged		3.6	0.5	3.0		Temp °C		fer pump	ON	3
Purge Time End:		1.63	1.63		÷/- 3%	Conductivity (mS/cm)			199	Project Name: Location: Project No.: Sampled By: Date: Weather:
e md.		15.1	23.6	36	~	Undity (NTU				
1200		2.280	NN 0	PO.C	+ 10%	Dissolved O ₂ (mg/L)				
$\overline{\bigcirc}$		9 Q 4 H	000	5.66	+/- 10 mV	Redox (mV)		Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:		
Final Static Water Level:		21.52	22.10	$\sim$		Depth to Water (feet)		Static Water Level:Depth of Well Screen:Depth to Top of Pump:1/2". LDPETubing Type:1/2". LDPE	A Charles In the	
Water Level:										
22.12						Comments				

Purge Time Start	Total		12.32	1230	1725	320 /50		205 150		Time Pump Rate (ml/min)	FIELD PARAMETER MEASUREMENT	WELL SAMPLING INFORMATIONWell Diameter:2"Depth of Well:2 \(. & S)Measuring Point:Top of PVCPump Type:1.75" Bladder 1	WELL I.D.:	300 State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-3066
			0.35		× •	N 0		20,05		re Gallons Purged	ER MEASI	ter: bil: boint:	D::	Associates, PC, eet w York 14614 85) 454-6110 \$5) 454-3066
205	Gallons Purged		7.32	7.33	44	L L NV L V V	9415	<i>tt</i> 't	+/- 0.1	n Maria Maria Maria	UREMENT	$\frac{2^{n}}{2 < k}$ Top of PVC 1.75" Bladder pump	-SB2	
c	urged		Lt.S	Jul -	14.1	13.8	14.0	14,2		്റ്റ്റ		Ider pumj		MW DO
Purge Time End:			2.00	2.00	5.04	2000	N N N	2.02	÷/- 3%	Conductivity (mS/cm)		0	Weather:	
ne End:			54.9	34.6	52	577	419	458		) (Nrturbi			1	IIIII
			7002	6.89	tt'5	107	20.5	らよう	+ 10%	Dissolved O ₂ (mg/L)				
			NS1 V	43.2	26	+731	-11,5	-	+/- 10 mV	Redox (mV)		Static Water Level: Length of Well Scre Depth to Top of Pur Tubing Type:		
Final Stat			23,26	22	123.22	1000	4	23.29		Depth to Water (fect)	A LA CALLES	Level: 2 Il Screen: of Pump: <u>14</u>		
Final Static Water Level:			Jample	ì								Z Ledg		
			1205	נ						Comments				

A 300 State Street Rochester, New Y Telephone: (585) Facsimile: (585)	ssociates, ork 14614 454-6110 454-3066 :			Project Nar Location: Project No. Sampled B: Date: Weather:		Corning N 2150606 2150606 2150606 516/15 516/15		5° 4*	
ELL SAMP	LING INB	ORMAT	ION						
Well Diameter: Denth of Well-	M					l	Static Water	r I	14.87
Depth of Well: Measuring Poir Pump Type:	1 1 1 1	Top of PV	'C lder pumj	5			Length of Wo Depth to Top Tubing Type	of Pump:	"/" LDPE
RAMETER	<b>MEASU</b>	REMENT			1				
Pump Rate (ml/min)	Gallons Purged	Цđ	Temp ℃	Conductivity (mS/cm)	) (NTC	Dissolved O ₂ (mg/L)	Redox (mV)	Depth to Water (feet)	Comments
		+/- 0.1		+/- 3%		+ 10%	+/- 10 mV		
	25.0	7.69	13.8	0.021	21000	W - Et. Cl		15.07	brown in oda
	0.5	1.44	14.4	\$10.0		L CHINE	OS	15.09	brown no dear
	0.75	7.36	14.3	0.017	25	6.61	L' 98	15.15	brown re oder
	1.0	7,38	14.3	C10,0	۲q	6.56	ଚ୍ <u>ଚ</u> ୁ ଚ୍ଚୁ	15.12	27, 24
	1.25	hh L	14-3	110.0	lex	16.45 16.45	40.0	15.15	
	1.675	3h'L		C10.0	3	6.37	91.5	15.13	(low a ador
	528-1	7.48	14. 1	0.017	32	6.35	92. (	5.9	a V
	2.0	7.48	14.1	0.017	30	6.23	8.66	15-13	70
	2.25	P. 1	14.1	0.017	64	6.24	92.8	15.14	3
- Sample	4	7.48	14.0	()0.0	39	5.32	105.2	15.14	and of sample collection - final readings
Total	2.25	Gallons I	urged						
rge Time Sta				Purge Tim	5	0:25		Final Sta	Final Static Water Level: 15.14
:		6			ie Linu.				
	A 300 State Street Rochester, New Y Telephone: (585) Facsimile: (585) Facsimile: (585) Well Diameter: Depth of Well: Measuring Poin Pump Type: Pump Rate (ml/min) Total Total	Source       Associates         300 State Street       Associates         Rochester, New York 14614       Telephone: (585) 454-6110         Facsimile: (585) 454-3066       WELL I.D.:       MW:         WELL SAMPLING INF       MW:         Well Diameter:       MW:         Pump Type:       Pump Rate       Gallons         Pump Rate       0.35       0.5         (ml/min)       0.35       0.75         1.0       1.025       1.5         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025         1.025       1.025       1.025	Associates, PC.         Associates, PC.         State Street       New York 14614         phone: (585) 454-6110         ELL I.D.: MW-SRS G         Information functions         prime Rameter: I.75" Blar         Pump Rate Gallons         gallons         PH         Pump Rate Gallons $0.55$ $1.40$ $0.55$ $1.42$ $0.55$ $1.42$ $0.55$ $1.42$ $1.42$ $1.57$ $1.42$ $1.42$ $1.42$ $1.42$ $1.42$ $1.42$ $1.42$ $1.42$	Besocietes Besocietes Drk 14614 454-6110 454-6110 454-6110 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-616 154-617 15-675 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0	urged 14.1 00 114.3 00 00 00 00 00 00 00 00 00 00 00 00 00	Project Name:       Location:         Project No.:       Sampled By:         Date:       Date:         Temp       Conductivity         Temp       Conductivity         I4.3 $0.017$ I4.3 $0.017$ I4.1 $0.017$ Jacol $32$ I4.1 $0.017$ Jacol $32$ I4.1 $0.017$ Jacol $32$ I4.1 $32$ I4.1 $34$ Purge Time End:       Jacol	Location:         Project No.:         Sampled By:         Date:         Date: $Date:$ Veather: $der pump$ $Conductivity$ $Veather:$	Project Name: Corving No.: 215 o 6 d 6         Sampled By: 253         Date: 215 o 6 d 6         Sampled By: 253         Date: 215 o 6 d 6         Date: 256 d 6         Date: 256 d 6         Date: 0.15 o 6 d 6         ON         Temp       Conductivity Turbi dity 02         ON         I 4.3       O 0.017       S 4       Conductivity (mg/L)         I 4.1       O.017       S 4       Conductivity (mg/L)         I 4.1       O.017       S 4       Conductivity (mg/L)         I 4.1       O.017       S 4       Conductivity (mg/L)	Inclusion:       Corning Ny         Project No.: $215 \circ 6 \circ 6$ Sampled By: $255$ Date: $\sqrt{4} \leftarrow 1 + \frac{1}{9} \sqrt{5} \cdot 5$ Date: $\sqrt{4} \leftarrow 1 + \frac{1}{9} \sqrt{5} \cdot 5$ ON       Static Water Level:         Location: $\sqrt{4} \leftarrow 1 + \frac{1}{9} \sqrt{5} \cdot 5$ ON       Static Water Level:         Location: $\sqrt{4} \leftarrow 1 + \frac{1}{9} \sqrt{5} \cdot 5$ ON       Static Water Level:         Length of Well Scree       Depth to Top of Pum         der pump $\sqrt{4} \leftarrow 10$ $\sqrt{9} \leftarrow 10$ 'C       (mS/cm)       (NTU       (mg/L)       Depth to Top of Pum         II-1.3 $0 \cdot 017$ $116$ $(\sqrt{16} + \frac{1}{9} \sqrt{5} \cdot 2)$ Iso         II-1.3 $0 \cdot 017$ $91$ $6 \cdot \sqrt{13} - \frac{1}{3} \sqrt{5} \sqrt{5}$ Depth to Top of Pum         II+3.3 $0 \cdot 017$ $91$ $6 \cdot \sqrt{13} - \frac{1}{3} \sqrt{5} \sqrt{5} \sqrt{5}$ Iso         II+3.3 $0 \cdot 017$ $91$ $6 \cdot \sqrt{13} - \frac{1}{3} \sqrt{5} \sqrt{5} \sqrt{5} \sqrt{5}$ Iso         II+4.1 $0 \cdot 017$ $91$ $6 \cdot \sqrt{13} - \frac{1}{3} \sqrt{5} \sqrt{5} \sqrt{5} \sqrt{5} \sqrt{5} \sqrt{5} \sqrt{5} 5$

0 P		12.10	2007	1450		Time	FIELD P/	Pu W	Far Ro
Total 🖉 . Purge Time Start: OBSERVATIONS					0	Pump Rate (ml/min)	FIELD PARAMETER MEASUREMENT	WELL SAMPLING INFORMATIONWell Diameter:Depth of Well:Depth of Well:Measuring Point:Top of PVCPump Type:1.75" Bladder	Associates Associates add State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-6110 Facsimile: (585) 454-6110
لاب ا			202.00	0.00	>	Gallons Purged	<b>R MEASUH</b>		
Gallons Purged			1 2 2 2 7 7		+/- 0.1	Ę	DEMENT	FORMATION 2 ^{ar-} ( 18.45 Top of PVC 1.75" Bladder pump	SBZ D
Č.			18.7	1.98		Temp °C		N N	
Purge Time End:		-	22.1	Oft	+/- 3%	Conductivity (mS/cm)			Project Name: Location: Project No.: Sampled By: Date: Weather:
e End:			25.54	386		Turbi dity (NTU			
5			46.92	82.8	+10%	Dissolved O ₂ (mg/L)			AA Nercant
5			2 2 2 1 -	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	+/- 10 mV	Redox (mV)		Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:	T T
Final Sta			337 37	PP	~ 0	Depth to Water (feet)		ст. :: С _ ::: :: :: :: :: :: :: :: :: :: :: ::	
Final Static Water Level:	Sample 1515			stop pump to pecharge a 1953		Comments		r CS	

O P	035	2201020	Time	W D M FIELD P.	Fa 30
Total 0/ Purge Time Start: OBSERVATIONS		0.5	Pump Rate (ml/min)	WELL SAMPLING INFORMATION         Well Diameter:       2"         Depth of Well:       18,00         Measuring Point:       Top of PVC         Pump Type:       1.75" Bladder         FIELD PARAMETER MEASUREMENT	Associates Associates 300 State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-3066 WELLL I.D.: MM
2	0,25	200	Gallons Purged	R MEASU	Associates, PC. t York 14614 5) 454-6110 ) 454-3066 ) 45 <b>4-3066</b>
Gallons Purged	122	32.1- 32.1-		FORMATION 2" 16,00 Top of PVC 1.75" Bladder pump JREMENT	L4614 1-6110 3066 MW-SB2-WW-09
urged	22	202	Temp °C	der pump	
Purge Time End:		1-37	Conductivity (mS/cm)		Project Name: Location: Project No.: Sampled By: Date: Weather:
ne End:	29.8	211662	Turbi dity )		y: ne
1040	6.09	56.25 + 10%	Dissolved Oz (mg/L)		0) 2 44
0	154.2	5-20 7-2014	Redox (mV)	Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:	
Final Sta	12,03-	2021	Depth to Water (feet)	LIFE	
Final Static Water Level:	Saint le			∃.0 ( %" LDPE	
L. D.	0401		Comments		

Total 2,35 Gallons Purged Purge Time Start: 050 OBSERVATIONS	2.71 524 58.0 A 21/1 7.71 524 58.0 ASI 001		Time Pump Rate Gallons pH Temp (ml/min) Purged 2,39 /+/- 0.1	R MEASURI	Well Diameter:2"Depth of Well:18.8 °Measuring Point:Top of PVCPump Type:1.75" Bladder pump	WELL SAMPLING INFORMATION	Associates, FC. 300 State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-3066 WELL I.D.: -MW-SB2
Purge Time End:	200	1.57 10045	Conductivity Turbi (mS/cm) dity (NTU ) +/- 3% 783		đ		Project Name: Location: Project No.: Sampled By: Date: Weather:
	4.83	1901 662 5	$\begin{array}{c cccc} \text{si} & \text{Dissolved} & \text{Redox} \\ & O_2 & (mV) \\ & (mg/L) & \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} & \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \text{A} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \ \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \hline \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \end{array} \\ \end{array} $ \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \\ \end{array} \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \end{array} \\ \end{array} \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \end{array} \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \\ \end{array} \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array} \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array} \\ \end{array} \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array}  \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array}  \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array} \end{array}  \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array}  \\ \end{array}  \\ \end{array}  \\ \end{array}  \\ \end{array}  \\ \begin{array}{c} \text{A} & \text{A} \end{array} \end{array} \\ \end{array}  \\ \end{array}  \\ \end{array} \end{array}  \\ \end{array}		Static Lengt Depth Tubin		
Final St	404	1 16,50	lox Depth to Water V) (feet)		Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:		
Final Static Water Level: $(6, 42)$	Sample 1110		Comments		10,40		

	kuud			015	018	205	500	750		Time	<b>EIELD</b>	اسی پیسٹر عورہ اس	-	
OBSERVATIONS	Purge Time Start:	Total						150		Pump Rate (ml/min)	FIELD PARAMETER MEASUREMENT	Well Diameter: Depth of Well: Measuring Point: Pump Type:	WELL SAMPLING INFORMATION	Associate 300 State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-3066 WELLL I.D.:
ONS		0.3		5,0	0.25	0.20	210	20.05		Gallons Purged	R MEASU	E	PLING IN	*** 45.4 S
	25	Gallons Purged		+,25	24	120	310	5174	+/- 0.1	Ħď	REMENT	2" 18.89 Top of PVC 1.75" Bladder pump	FORMAT	Diates, PD, 14614 146110 3066 3066
10		Purged		620	13,0	12.9	6 1	12,9		°C	Ţ	dder pum	ION	2
	Purge Time End:			673	567	1.40	0.9		+/+ 3%	Conductivity (mS/cm)				Project Name: Location: Project No.: Sampled By: Date: Weather:
	le End:			58.1	31.2	53,2	014	222		Turbi dity (NTU)				× №
2	515			4.10		£1.5	200	5550	+ 10%	Dissolved O ₂ (mg/L)				5
2446-220				222.4	222.4	222.4	- 11	2239	+/- 10 mV	Redox (mV)		Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:		
	Final Stat			16-5 3	1 1	10.5%	16.53	16.53		Depth to Water (feet)	ALL TRAFT IN	Å ä	All a star	
	Final Static Water Level: (6.53			Sample 815						Comments		1 65 1		

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OBSERVATIONS	Total ( Purge Time Start:	3550	251 251 251 251 251 251 251 251 251 251	Tune Pump Rate (ml/min)	Well Diameter:2"Depth of Well:\$\lambda \sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\sigma\	ABSOC 300 State Street Rochester, New York 14 Telephone: (585) 454-3 WELLL I.D.:
VIIONS N	Total D.4 me Start:	0.4	200	)) Purged	eter: 'ell: Point: "	
8 B	Gallons Purged	Shrt	14:4	1.0 -/-+ Fid	2" 2	Ciates, PD. 14614 -6110 3066 MW-SB2
Dind	Purged	13.5	13.4 13.4	°C	2" 2. Top of PVC 1.75" Bladder pump REMENT	MW (2
Mrs mist Blind Dup.	Purge Time End:	[.40	541 1.45 1.45	Conductivity (mS/cm) +/- 3%		Project Name: Location: Project No.: Sampled By: Date: Weather:
	le End:	37×55	609 8.55 609	Turbi div (NTU		
	1550	7232	649	Dissolved O ₂ (mg/L) + 10%		AA 51510
	e l	65.7		Redox (mV) +/- 10 mV	Static Water Level: Length of Well Scru Depth to Top of Pu Tubing Type:	
	Final Stati	20.31	20.39	Depth to Water (feet)	mp:	
	Final Static Water Level:	Sampe			LDPE	
	20.39	1570		Comments		

q. O		12:05	Time	۷ P P P P	🖌 ారా నెళ్లు 📻
Purge Time Start: {2:00 OBSERVATIONS		free 1	Pump Rate (ml/min)	WELL SAMPLING INFORMATION         Well Diameter:       2"         Depth of Well:       2"         Measuring Point:       Top of PVC         Pump Type:       1.75" Bladder 1	Associates, PC. 300 State Street Rochester, New York 14614 Telephone: (585) 454-6110 Facsimile: (585) 454-3066 WELL I.D.: MW-SB
ut: [2,0		0.25	Gallons Purged	LING INI at:	SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES, SSOCIALES,
	Gallons Purged	7.23	рН +/- 0.1	FORMATION 2" 2].07 Top of PVC 1.75" Bladder pump IREMENT	ociates, PC. 14614 4-6110 -3066 MW-SRZ   3
de la compañía de la		1.8	Temp °C	ION C Ider pump	
Purge Time End: 12:23		2.04 2.04 2.04 2.04 2.04 2.04	Conductivity (mS/cm) +/- 3%		Project Name: Location: Project No.: Sampled By: Date: Weather:
e End.		2:00	Turbi dity (NTU )		
2:23		2022	Dissolved O ₂ (mg/L) + 10%		Corning Corving 2150606 PCJJ PCJJ OVENCAST
		74.5 74.4 74.9 75.5 76.0	Redox (mV) +/- 10 mV	Static Water Level: Length of Well Screen: Depth to Top of Pump: Tubing Type:	Corning Hospital Carring NY 2150606 1255 16/15 Overcast 60°
Final St		20.30	Depth to Water (feet)	CIII N	
Final Static Water Level: 20.30		lt trury no oder Clean no oder Clean no oder Clean no oder Clean no oder Clean no oder	Comments	20.25'	



Engineering Architecture Environmental

# **APPENDIX 2**

Laboratory Reports

Report Date: 05-May-15 17:09



Final ReportRe-Issued ReportRevised Report

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

Project: Corning Hospital, NY Project #: 2150606

Laboratory ID	<u>Client Sample ID</u>	Matrix	<b>Date Sampled</b>	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:

Aliole 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 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.

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 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

# **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

## 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

## 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

#### 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

#### 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%)

#### 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'

#### 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 / 2150606Work Order:SC06702Sample(s) received on:4/28/2015

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

	Yes	<u>No</u>
Were custody seals present?		$\checkmark$
Were custody seals intact?		
Were samples received at a temperature of $\leq 6^{\circ}$ C?	$\checkmark$	
Were samples cooled on ice upon transfer to laboratory representative?	$\checkmark$	
Were sample containers received intact?	$\checkmark$	
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?		$\checkmark$
Were samples accompanied by a Chain of Custody document?	$\checkmark$	
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?		$\checkmark$
Were samples received within method-specific holding times?	$\checkmark$	

<u>N/A</u>

SB-01-3-4	Sample Identification           SB-01-3-4'           SC06702-01           CAS No.         Analyte(s)			<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date '-Apr-15 10			<u>cceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS											
	<u>tile Organic Compounds</u> 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-1 5	MSL	1508313	х
208-96-8	Acenaphthylene	260	J, D	µg/kg dry	789	167	10	"	"		"	"	х
120-12-7	Anthracene	< 181	U, D	µg/kg dry	789	181	10		"	"	"	"	Х
56-55-3	Benzo (a) anthracene	643	J, D	µg/kg dry	789	163	10	"	"	"	"	"	Х
50-32-8	Benzo (a) pyrene	667	J, D	µg/kg dry	789	164	10	"	"	"	"		Х
205-99-2	Benzo (b) fluoranthene	805	D	µg/kg dry	789	180	10	"	"	"	"	"	х
191-24-2	Benzo (g,h,i) perylene	296	J, D	µg/kg dry	789	171	10		"		"		Х
207-08-9	Benzo (k) fluoranthene	308	J, D	µg/kg dry	789	180	10				"		х
111-91-1	Bis(2-chloroethoxy)metha ne	< 713	U, D	µg/kg dry	3900	713	10	"	"	"	"	"	х
111-44-4	Bis(2-chloroethyl)ether	< 710	U, D	µg/kg dry	1980	710	10				"		х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 709	U, D	µg/kg dry	1980	709	10	"	"	"	"	"	х
117-81-7	Bis(2-ethylhexyl)phthalate	< 975	U, D	µg/kg dry	1980	975	10				"		х
101-55-3	4-Bromophenyl phenyl ether	< 789	U, D	µg/kg dry	3900	789	10	"	"	"	"	"	х
85-68-7	Butyl benzyl phthalate	< 865	U, D	µg/kg dry	3900	865	10				"		х
86-74-8	Carbazole	< 1000	U, D	µg/kg dry	1980	1000	10				"		х
59-50-7	4-Chloro-3-methylphenol	< 810	U, D	µg/kg dry	3900	810	10				"		х
106-47-8	4-Chloroaniline	< 806	U, D	µg/kg dry	1980	806	10				"		х
91-58-7	2-Chloronaphthalene	< 687	U, D	µg/kg dry	3900	687	10				"		х
95-57-8	2-Chlorophenol	< 698	U, D	µg/kg dry	1980	698	10				"		х
7005-72-3	4-Chlorophenyl phenyl ether	< 733	U, D	µg/kg dry	3900	733	10	"	"	"	"	"	х
218-01-9	Chrysene	761	J, D	µg/kg dry	789	193	10		"		"		Х
53-70-3	Dibenzo (a,h) anthracene	< 145	U, D	µg/kg dry	789	145	10		"		"		Х
132-64-9	Dibenzofuran	< 145	U, D	µg/kg dry	1980	145	10				"		х
95-50-1	1,2-Dichlorobenzene	< 656	U, D	µg/kg dry	3900	656	10				"		х
541-73-1	1,3-Dichlorobenzene	< 693	U, D	µg/kg dry	3900	693	10				"		х
106-46-7	1,4-Dichlorobenzene	< 646	U, D	µg/kg dry	3900	646	10				"		х
91-94-1	3,3'-Dichlorobenzidine	< 793	U, D	µg/kg dry	3900	793	10		"		"		Х
120-83-2	2,4-Dichlorophenol	< 672	U, D	µg/kg dry	1980	672	10				"		х
84-66-2	Diethyl phthalate	< 815	U, D	µg/kg dry	3900	815	10		"		"		Х
131-11-3	Dimethyl phthalate	< 769	U, D	µg/kg dry	3900	769	10		"		"		х
105-67-9	2,4-Dimethylphenol	< 669	U, D	µg/kg dry	3900	669	10		"		"		Х
84-74-2	Di-n-butyl phthalate	< 877	U, D	µg/kg dry	3900	877	10		"		"		Х
534-52-1	4,6-Dinitro-2-methylphenol	< 1040	U, D	µg/kg dry	3900	1040	10	"	"		"	"	х
51-28-5	2,4-Dinitrophenol	< 1030	U, D	µg/kg dry	3900	1030	10	"	"		"	"	х
121-14-2	2,4-Dinitrotoluene	< 814	U, D	µg/kg dry	1980	814	10	"	"		"	"	х
606-20-2	2,6-Dinitrotoluene	< 767	U, D	µg/kg dry	1980	767	10	"	"		"	"	х
117-84-0	Di-n-octyl phthalate	< 843	U, D	µg/kg dry	3900	843	10	"	"		"	"	х
206-44-0	Fluoranthene	745	J, D	µg/kg dry	789	198	10	"	"		"	"	х
86-73-7	Fluorene	< 189	U, D	µg/kg dry	789	189	10	"	"		"	"	х
118-74-1	Hexachlorobenzene	< 863	U, D	µg/kg dry	1980	863	10	"	"		"	"	х
87-68-3	Hexachlorobutadiene	< 628	U, D	µg/kg dry	1980	628	10	"	"	"	"	"	х

Sample Id SB-01-3-4 SC06702-				<u>Client P</u> 2150	•		<u>Matrix</u> Soil		ection Date -Apr-15 10			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
	tile Organic Compounds by method SW846 3545A		R01										
77-47-4	Hexachlorocyclopentadien e	< 720	U, D	µg/kg dry	1980	720	10	SW846 8270D	29-Apr-15	02-May-1 5	MSL	1508313	х
67-72-1	Hexachloroethane	< 759	U, D	µg/kg dry	1980	759	10	"	"		"	"	х
193-39-5	Indeno (1,2,3-cd) pyrene	300	J, D	µg/kg dry	789	161	10		"		"		х
78-59-1	Isophorone	< 690	U, D	µg/kg dry	1980	690	10		"		"		х
91-57-6	2-Methylnaphthalene	< 163	U, D	µg/kg dry	789	163	10		"	"	"	"	х
95-48-7	2-Methylphenol	< 701	U, D	µg/kg dry	3900	701	10		"		"	"	х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 879	U, D	µg/kg dry	3900	879	10	"	"	"	"	"	х
91-20-3	Naphthalene	< 161	U, D	µg/kg dry	789	161	10		"		"		Х
88-74-4	2-Nitroaniline	< 783	U, D	µg/kg dry	3900	783	10		"	"	"	"	Х
99-09-2	3-Nitroaniline	< 934	U, D	µg/kg dry	3900	934	10	"	"		"	"	х
100-01-6	4-Nitroaniline	< 1130	U, D	µg/kg dry	1980	1130	10		"		"	"	х
98-95-3	Nitrobenzene	< 766	U, D	µg/kg dry	1980	766	10		"	"	"	"	Х
88-75-5	2-Nitrophenol	< 654	U, D	µg/kg dry	1980	654	10		"		"		х
100-02-7	4-Nitrophenol	< 1050	U, D	µg/kg dry	15600	1050	10		"		"		Х
621-64-7	N-Nitrosodi-n-propylamine	< 841	U, D	µg/kg dry	1980	841	10		"		"		Х
86-30-6	N-Nitrosodiphenylamine	< 918	U, D	µg/kg dry	3900	918	10		"		"		х
87-86-5	Pentachlorophenol	< 929	U, D	µg/kg dry	3900	929	10		"		"		х
85-01-8	Phenanthrene	375	J, D	µg/kg dry	789	193	10		"		"		х
108-95-2	Phenol	< 711	U, D	µg/kg dry	3900	711	10		"		"	"	х
129-00-0	Pyrene	1,070	D	µg/kg dry	789	168	10		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 621	U, D	µg/kg dry	3900	621	10		"		"		х
95-95-4	2,4,5-Trichlorophenol	< 808	U, D	µg/kg dry	3900	808	10	"	"	"	"	"	х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	95			30-13	80 %			"		"		
367-12-4	2-Fluorophenol	92			30-13	80 %			"		"		
4165-60-0	Nitrobenzene-d5	100			30-13	80 %			"		"		
4165-62-2	Phenol-d5	93			30-13	80 %			"		"	"	
1718-51-0	Terphenyl-dl4	116			30-13	80 %			"		"		
118-79-6	2,4,6-Tribromophenol	72			30-13	80 %		"	"		"	"	
	y Identified Compounds by method SW846 3545A		R01										
	Tentatively Identified Compounds	None found		µg/kg dry			10	SW846 8270D TICS	"	"	MSL	"	
Total Meta	als 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-1 5	04-May-1 5	TBC	1508397	х
7440-38-2	Arsenic	13.5		mg/kg dry	1.66	0.268	1	"	"		"	"	х
7440-39-3	Barium	153		mg/kg dry	1.10	0.0656	1	"	"	"	"	"	х
7440-43-9	Cadmium	0.925		mg/kg dry	0.552	0.0177	1	"	"		"	"	х
7440-47-3	Chromium	13.2		mg/kg dry	1.10	0.105	1	"	"		"	"	х
7439-97-6	Mercury	0.211		mg/kg dry	0.0343	0.0022	1	SW846 7471B	"	04-May-1 5	YR	1508398	х
7439-92-1	Lead	246		mg/kg dry	1.66	0.305	1	SW846 6010C	"	04-May-1 5	TBC	1508397	х
7782-49-2	Selenium	1.20	J	mg/kg dry	1.66	0.415	1	u	"	"	"	"	х

Sample Identification SB-01-3-4' SC06702-01			Client Project # 2150606			MatrixCollection Date/TimeSoil27-Apr-15 10:10				Received 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-1 5	05-May-1 5	RLT	1508657	Х

SB-03-3-4	C06702-03			Client Project # 2150606			<u>Matrix</u> Soil	27-Apr-15 12:00			Received 28-Apr-15		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	rganic Compounds by SW by method SW846 5035A		-1)			Init	iol woight:	E					
67-64-1	Acetone	< 35.2	<u>ei)</u> U	µg/kg dry	52.7	35.2	tial weight: 1	<u>5.57 g</u> SW846 8260C	01-May-1	01-May-1	SJB	1508450	х
07-04-1	Acelone	< 35.2	0	µg/kg ury	52.7	33.2	I	30040 02000	5 5	5 5	SJD	1506450	^
71-43-2	Benzene	< 1.0	U	µg/kg dry	5.3	1.0	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 3.5	U	µg/kg dry	5.3	3.5	1	"	"	"	"		х
75-25-2	Bromoform	< 5.0	U	µg/kg dry	5.3	5.0	1	"	"		"	"	х
74-83-9	Bromomethane	< 3.0	U	µg/kg dry	10.5	3.0	1	"	"		"	"	х
78-93-3	2-Butanone (MEK)	< 6.3	U	µg/kg dry	52.7	6.3	1	"	"		"	"	х
104-51-8	n-Butylbenzene	< 1.5	U	µg/kg dry	5.3	1.5	1	"	"	"	"	"	х
135-98-8	sec-Butylbenzene	< 4.1	U	µg/kg dry	5.3	4.1	1	"	"	"	"	"	х
98-06-6	tert-Butylbenzene	< 3.5	U	µg/kg dry	5.3	3.5	1		"	"	"	"	х
75-15-0	Carbon disulfide	< 3.2	U	µg/kg dry	10.5	3.2	1		"		"	"	х
56-23-5	Carbon tetrachloride	< 4.3	U	µg/kg dry	5.3	4.3	1		"		"	"	х
108-90-7	Chlorobenzene	< 0.8	U	µg/kg dry	5.3	0.8	1		"		"		х
75-00-3	Chloroethane	< 2.9	U	µg/kg dry	10.5	2.9	1	"	"		"		х
67-66-3	Chloroform	< 1.7	U	µg/kg dry	5.3	1.7	1	"	"		"	"	х
74-87-3	Chloromethane	< 2.2	U	µg/kg dry	10.5	2.2	1	"	"		"	"	х
124-48-1	Dibromochloromethane	< 3.6	U	µg/kg dry	5.3	3.6	1	"	"		"	"	х
95-50-1	1,2-Dichlorobenzene	< 0.9	U	µg/kg dry	5.3	0.9	1		"		"		х
541-73-1	1,3-Dichlorobenzene	< 1.1	U	µg/kg dry	5.3	1.1	1	"	"		"		х
106-46-7	1,4-Dichlorobenzene	< 1.3	U	µg/kg dry	5.3	1.3	1				"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.8	U	µg/kg dry	10.5	1.8	1	"	"	"	"	"	х
75-34-3	1,1-Dichloroethane	< 3.4	U	µg/kg dry	5.3	3.4	1	"	"		"		х
107-06-2	1,2-Dichloroethane	< 1.3	U	µg/kg dry	5.3	1.3	1				"		х
75-35-4	1,1-Dichloroethene	< 4.0	U	µg/kg dry	5.3	4.0	1				"		х
156-59-2	cis-1,2-Dichloroethene	< 1.9	U	µg/kg dry	5.3	1.9	1				"		х
156-60-5	trans-1,2-Dichloroethene	< 2.8	U	µg/kg dry	5.3	2.8	1		"		"		х
78-87-5	1,2-Dichloropropane	< 2.8	U	µg/kg dry	5.3	2.8	1	"	"		"		х
10061-01-5	cis-1,3-Dichloropropene	< 3.2	U	µg/kg dry	5.3	3.2	1		"		"	"	х
10061-02-6	trans-1,3-Dichloropropene	< 2.8	U	µg/kg dry	5.3	2.8	1		"		"	"	х
100-41-4	Ethylbenzene	< 0.9	U	µg/kg dry	5.3	0.9	1	"	"		"		х
591-78-6	2-Hexanone (MBK)	< 5.8	U	µg/kg dry	52.7	5.8	1	"	"		"		х
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				"		Х
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	"	"		"	"	х
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 µg/kg dry	5.3	0.9	1	"			"	"	x
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5	U	µg/kg dry µg/kg dry	5.3	4.5	1	"	"		"	"	x
127-18-4	Tetrachloroethene	< 4.5 < 2.0	U		5.3 5.3	4.5 2.0	1	"			"	"	x
108-88-3	Toluene	< 2.0 < 1.2	U	µg/kg dry µg/kg dry	5.3 5.3	2.0 1.2	1	"	"	"			x

Sample Identification SB-03-3-4' SC06702-03			<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil				Received 28-Apr-15			
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW												
Prepared 71-55-6	by method SW846 5035A				5.0		ial weight:	-	04 144	04 14-14	0.10	4500450	V
71-55-0	1,1,1-Trichloroethane	< 1.4	U	µg/kg dry	5.3	1.4	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
79-00-5	1,1,2-Trichloroethane	< 3.8	U	µg/kg dry	5.3	3.8	1	"	"		"	"	х
79-01-6	Trichloroethene	< 0.9	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 2.8	U	µg/kg dry	5.3	2.8	1	u		"	"	"	Х
95-63-6	1,2,4-Trimethylbenzene	< 1.3	U	µg/kg dry	5.3	1.3	1	"	"		"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 1.5	U	µg/kg dry	5.3	1.5	1		"		"		Х
75-01-4	Vinyl chloride	< 1.9	U	µg/kg dry	5.3	1.9	1		"		"		Х
179601-23-1	m,p-Xylene	< 1.0	U	µg/kg dry	10.5	1.0	1	"	"	"	"	"	Х
95-47-6	o-Xylene	< 1.1	U	µg/kg dry	5.3	1.1	1	"	"	"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	88			70-13	30 %		"	"	"	"	"	
2037-26-5	Toluene-d8	109			70-13	30 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	111			70-13	30 %			"		"		
1868-53-7	Dibromofluoromethane	114			70-13	30 %		"	"		"	"	
	rganic Compounds												
	by method SW846 5035A				<b>50 7</b>		ial weight:	<u>5.57 g</u> "					
108-05-4	Vinyl acetate	< 11.1	U	µg/kg dry	52.7	11.1	1		01-May-1 5			1508448	
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	96			70-13	30 %			"		"		
2037-26-5	Toluene-d8	99			70-13	30 %		"			"	"	
17060-07-0	1,2-Dichloroethane-d4	119			70-13	30 %					"		
1868-53-7	Dibromofluoromethane	105			70-13	30 %		"	"	"	"	"	
Tentatively	y Identified Compounds by	/ GC/MS											
	by method SW846 5035A		<u>el)</u>			Init	ial weight:	<u>5.57 g</u>					
	Tentatively Identified Compounds	None found	ł	µg/kg dry			1	SW846 8260C TICs	01-May-1 5	"	SJB	1508450	
	ile Organic Compounds by (	GCMS											
	tile Organic Compounds by method SW846 3545A												
83-32-9	Acenaphthene	50.8	J	µg/kg dry	71.6	16.7	1	SW846 8270D	29-Apr-15	02-May-1 5	MSL	1508313	Х
208-96-8	Acenaphthylene	< 15.2	U	µg/kg dry	71.6	15.2	1	"	"		"	"	х
120-12-7	Anthracene	146		µg/kg dry	71.6	16.4	1	"	"		"	"	х
56-55-3	Benzo (a) anthracene	398		µg/kg dry	71.6	14.8	1	"	"		"	"	х
50-32-8	Benzo (a) pyrene	355		µg/kg dry	71.6	14.9	1	"	"		"	"	х
205-99-2	Benzo (b) fluoranthene	461		µg/kg dry	71.6	16.3	1	"	"		"	"	Х
191-24-2	Benzo (g,h,i) perylene	206		µg/kg dry	71.6	15.5	1	"	"		"	"	х
207-08-9	Benzo (k) fluoranthene	198		µg/kg dry	71.6	16.3	1	"	"		"	"	х
111-91-1	Bis(2-chloroethoxy)metha ne	< 64.6	U	µg/kg dry	354	64.6	1	n	"	"	"	"	Х
111-44-4	Bis(2-chloroethyl)ether	< 64.4	U	µg/kg dry	179	64.4	1	"	"	"	"	"	х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 64.3	U	µg/kg dry	179	64.3	1	u	"	"	"		х
117-81-7	Bis(2-ethylhexyl)phthalate	< 88.4	U	µg/kg dry	179	88.4	1	"	"	"	"	"	Х

<u>Sample Id</u> <b>SB-03-3-</b> SC06702				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date /-Apr-15 12			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS											
<u>Semivola</u>	tile Organic Compounds by method SW846 3545A												
101-55-3	4-Bromophenyl phenyl ether	< 71.5	U	µg/kg dry	354	71.5	1	SW846 8270D	29-Apr-15	02-May-1 5	MSL	1508313	х
85-68-7	Butyl benzyl phthalate	< 78.5	U	µg/kg dry	354	78.5	1	"	"		"	"	х
86-74-8	Carbazole	< 91.0	U	µg/kg dry	179	91.0	1	"	"		"	"	х
59-50-7	4-Chloro-3-methylphenol	< 73.4	U	µg/kg dry	354	73.4	1	"	"	"	"	"	х
106-47-8	4-Chloroaniline	< 73.1	U	µg/kg dry	179	73.1	1	"			"	"	х
91-58-7	2-Chloronaphthalene	< 62.3	U	µg/kg dry	354	62.3	1	"	"		"	"	х
95-57-8	2-Chlorophenol	< 63.3	U	µg/kg dry	179	63.3	1	"	"		"	"	Х
7005-72-3	4-Chlorophenyl phenyl ether	< 66.5	U	µg/kg dry	354	66.5	1	"	"	u	"	"	х
218-01-9	Chrysene	388		µg/kg dry	71.6	17.5	1	"	"	"	"	"	Х
53-70-3	Dibenzo (a,h) anthracene	46.5	J	µg/kg dry	71.6	13.1	1	"	"	"	"	"	Х
132-64-9	Dibenzofuran	40.0	J	µg/kg dry	179	13.1	1	"	"	"	"	"	Х
95-50-1	1,2-Dichlorobenzene	< 59.5	U	µg/kg dry	354	59.5	1	"	"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 62.9	U	µg/kg dry	354	62.9	1	"	"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 58.6	U	µg/kg dry	354	58.6	1	"	"	"	"	"	Х
91-94-1	3,3'-Dichlorobenzidine	< 71.9	U	µg/kg dry	354	71.9	1	"	"	"	"	"	Х
120-83-2	2,4-Dichlorophenol	< 60.9	U	µg/kg dry	179	60.9	1	"	"	"	"	"	Х
84-66-2	Diethyl phthalate	< 73.9	U	µg/kg dry	354	73.9	1	"	"	"	"	"	Х
131-11-3	Dimethyl phthalate	< 69.7	U	µg/kg dry	354	69.7	1	"	"	"	"	"	Х
105-67-9	2,4-Dimethylphenol	< 60.7	U	µg/kg dry	354	60.7	1	"	"		"	"	Х
84-74-2	Di-n-butyl phthalate	< 79.5	U	µg/kg dry	354	79.5	1				"		Х
534-52-1	4,6-Dinitro-2-methylphenol	< 94.2	U	µg/kg dry	354	94.2	1						Х
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
117-84-0 206-44-0	Di-n-octyl phthalate	< 76.5	U	µg/kg dry	354	76.5	1						X
200-44-0 86-73-7	Fluoranthene	782	J	µg/kg dry	71.6	18.0	1						X X
118-74-1	Fluorene Hexachlorobenzene	<b>57.6</b> < 78.3	U	µg/kg dry	71.6 179	17.1 78.3	1 1	"			"		x
87-68-3	Hexachlorobutadiene	< 78.3 < 57.0	U	µg/kg dry	179	57.0	1	"			"		x
77-47-4	Hexachlorocyclopentadien	< 65.3	U	µg/kg dry µg/kg dry	179	65.3	1	"			"		x
	e												
67-72-1	Hexachloroethane	< 68.8	U	µg/kg dry	179	68.8	1	"	"	"	"	"	Х
193-39-5	Indeno (1,2,3-cd) pyrene	229		µg/kg dry	71.6	14.6	1	"	"	"	"	"	Х
78-59-1	Isophorone	< 62.5	U	µg/kg dry	179	62.5	1	"	"	"	"	"	Х
91-57-6	2-Methylnaphthalene	33.6	J	µg/kg dry	71.6	14.8	1	"	"	"	"	"	Х
95-48-7	2-Methylphenol	< 63.5	U	µg/kg dry	354	63.5	1	"	"	"	"	"	Х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 79.7	U	µg/kg dry	354	79.7	1	u	"		"		Х
91-20-3	Naphthalene	36.5	J	µg/kg dry	71.6	14.6	1	"	"		"	"	Х
88-74-4	2-Nitroaniline	< 71.0	U	µg/kg dry	354	71.0	1		"		"	"	Х
99-09-2	3-Nitroaniline	< 84.7	U	µg/kg dry	354	84.7	1	"		"	"	"	Х
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						х

Sample Identification SB-03-3-4' SC06702-03				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 12			eceived Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by (	GCMS											
<u>Semivolat</u>	tile Organic Compounds 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-1 5	MSL	1508313	х
621-64-7	N-Nitrosodi-n-propylamine	< 76.2	U	µg/kg dry	179	76.2	1	"	"		"	"	х
86-30-6	N-Nitrosodiphenylamine	< 83.3	U	µg/kg dry	354	83.3	1		"		"		х
87-86-5	Pentachlorophenol	< 84.3	U	µg/kg dry	354	84.3	1		"		"		х
85-01-8	Phenanthrene	615		µg/kg dry	71.6	17.5	1		"		"		х
108-95-2	Phenol	< 64.5	U	µg/kg dry	354	64.5	1		"		"		х
129-00-0	Pyrene	818		µg/kg dry	71.6	15.2	1		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 56.3	U	µg/kg dry	354	56.3	1		"		"		х
95-95-4	2,4,5-Trichlorophenol	< 73.2	U	µg/kg dry	354	73.2	1	"	"		"	"	х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	73			30-13	30 %			"		"	"	
367-12-4	2-Fluorophenol	81			30-13	30 %			"		"		
4165-60-0	Nitrobenzene-d5	83			30-13	30 %			"		"	"	
4165-62-2	Phenol-d5	84			30-13	30 %			"		"		
1718-51-0	Terphenyl-dl4	93			30-13	30 %			"		"		
118-79-6	2,4,6-Tribromophenol	72			30-13	30 %			"		"	"	
	y Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Semivolati	ile Organic Compounds by (	GC											
	llorine Pesticides by method SW846 3545A												
319-84-6	alpha-BHC	< 0.523	U	µg/kg dry	5.37	0.523	1	SW846 8081B	04-May-1 5	04-May-1 5	TG	1508525	х
319-85-7	beta-BHC	< 0.692	U	µg/kg dry	5.37	0.692	1	"	"		"	"	х
319-86-8	delta-BHC	< 0.421	U	µg/kg dry	5.37	0.421	1		"		"		х
58-89-9	gamma-BHC (Lindane)	< 0.577	U	µg/kg dry	3.22	0.577	1		"		"		х
76-44-8	Heptachlor	< 0.627	U	µg/kg dry	5.37	0.627	1		"		"		х
309-00-2	Aldrin	< 0.597	U	µg/kg dry	5.37	0.597	1		"	"	"	"	х
1024-57-3	Heptachlor epoxide	< 0.568	U	µg/kg dry	5.37	0.568	1		"		"		х
959-98-8	Endosulfan I	< 0.604	U	µg/kg dry	5.37	0.604	1		"	"	"	"	х
60-57-1	Dieldrin	< 0.615	U	µg/kg dry	5.37	0.615	1		"	"	"		х
72-55-9	4,4'-DDE (p,p')	< 0.636	U	µg/kg dry	5.37	0.636	1		"		"		х
72-20-8	Endrin	< 0.783	U	µg/kg dry	8.58	0.783	1		"		"		х
33213-65-9	Endosulfan II	< 0.604	U	µg/kg dry	8.58	0.604	1		"		"		х
72-54-8	4,4'-DDD (p,p')	< 0.570	U	µg/kg dry	8.58	0.570	1		"		"	"	х
1031-07-8	Endosulfan sulfate	< 0.614	U	µg/kg dry	8.58	0.614	1	"	"		"	"	х
50-29-3	4,4'-DDT (p,p')	< 0.574	U	µg/kg dry	8.58	0.574	1	"	"		"	"	х
72-43-5	Methoxychlor	< 1.30	U	µg/kg dry	8.58	1.30	1	"	"		"	"	х
53494-70-5	Endrin ketone	< 0.577	U	µg/kg dry	8.58	0.577	1	"	"		"	"	х
7421-93-4	Endrin aldehyde	< 0.702	U	µg/kg dry	8.58	0.702	1	"	"		"	"	х
5103-71-9	alpha-Chlordane	< 0.584	U	µg/kg dry	5.37	0.584	1	"	"		"	"	х
5566-34-7	gamma-Chlordane	< 0.670	U	µg/kg dry	5.37	0.670	1	"	"		"	"	х
8001-35-2	Toxaphene	< 34.8	U	µg/kg dry	107	34.8	1	"	"		"	"	х

Sample Id SB-03-3-4 SC06702-				<u>Client Project #</u> 2150606		<u>Matrix</u> Soil	<u>Collection Date/Time</u> 27-Apr-15 12:00			Received 28-Apr-15			
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by (	GC											
	lorine Pesticides												
	by method SW846 3545A												
57-74-9	Chlordane	< 12.9	U	µg/kg dry	21.5	12.9	1	SW846 8081B	04-May-1 5	04-May-1 5	TG	1508525	Х
15972-60-8	Alachlor	< 0.963	U	µg/kg dry	5.37	0.963	1	"			"	"	
Surrogate i	recoveries:												
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	80			30-15	i0 %		н		"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	46			30-15	50 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	227	S02		30-15	i0 %		"	"		"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	134			30-15	50 %		n	"	"	"	"	
	nated Biphenyls by method SW846 3545A												
	Aroclor-1016	< 19.3	U	µg/kg dry	21.4	19.3	1	SW846 8082A	30-Apr-15	01-May-1 5	IMR	1508337	х
11104-28-2	Aroclor-1221	< 16.4	U	µg/kg dry	21.4	16.4	1		"		"	"	х
11141-16-5	Aroclor-1232	< 19.2	U	µg/kg dry	21.4	19.2	1			"	"	"	х
53469-21-9	Aroclor-1242	< 13.3	U	µg/kg dry	21.4	13.3	1			"	"	"	х
12672-29-6	Aroclor-1248	< 13.4	U	µg/kg dry	21.4	13.4	1			"	"		х
11097-69-1	Aroclor-1254	< 14.7	U	µg/kg dry	21.4	14.7	1		"	"	"	"	х
11096-82-5	Aroclor-1260	< 15.0	U	µg/kg dry	21.4	15.0	1			"	"	"	х
37324-23-5	Aroclor-1262	< 19.2	U	µg/kg dry	21.4	19.2	1		"		"	"	Х
11100-14-4	Aroclor-1268	< 21.0	U	µg/kg dry	21.4	21.0	1	"	"		"	"	Х
Surrogate i	recoveries:												
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-15	i0 %		"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-15	50 %		n	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	85			30-15	i0 %			"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-15	i0 %		"		"	"	u	
	als by EPA 6000/7000 Series												
7440-22-4	Silver	< 0.109	U	mg/kg dry	1.50	0.109	1	SW846 6010C	04-May-1 5	04-May-1 5	TBC	1508397	Х
7440-38-2	Arsenic	9.85		mg/kg dry	1.50	0.242	1		"	"	"	"	х
7440-39-3	Barium	136		mg/kg dry	0.997	0.0592	1				"	"	х
7440-43-9	Cadmium	2.23		mg/kg dry	0.499	0.0160	1				"	"	х
7440-47-3	Chromium	19.5		mg/kg dry	0.997	0.0952	1				"		х
7439-97-6	Mercury	0.522		mg/kg dry	0.0309	0.0020	1	SW846 7471B	"	04-May-1 5	YR	1508398	х
7439-92-1	Lead	455		mg/kg dry	1.50	0.275	1	SW846 6010C	"	04-May-1 5	TBC	1508397	х
7782-49-2	Selenium	1.30	J	mg/kg dry	1.50	0.375	1	"	"	"	"	"	х
General C	hemistry 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-1 5	05-May-1 5	RLT	1508657	Х

Sample Id SB-04-14 SC06702-				<u>Client P</u> 2150	•		<u>Matrix</u> Soil		ection Date '-Apr-15 14			<u>eceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
volutile 0	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	rganic Compounds by SW												
	by method SW846 5035A		-				tial weight:						
67-64-1	Acetone	< 38.3	U	µg/kg dry	57.3	38.3	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
71-43-2	Benzene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 3.8	U	µg/kg dry	5.7	3.8	1	"			"	"	х
75-25-2	Bromoform	< 5.5	U	µg/kg dry	5.7	5.5	1				"		х
74-83-9	Bromomethane	< 3.3	U	µg/kg dry	11.5	3.3	1				"		х
78-93-3	2-Butanone (MEK)	< 6.9	U	µg/kg dry	57.3	6.9	1				"		х
104-51-8	n-Butylbenzene	< 1.6	U	µg/kg dry	5.7	1.6	1				"		х
135-98-8	sec-Butylbenzene	< 4.5	U	µg/kg dry	5.7	4.5	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 3.8	U	µg/kg dry	5.7	3.8	1	"	"		"	"	х
75-15-0	Carbon disulfide	< 3.5	U	µg/kg dry	11.5	3.5	1				"		х
56-23-5	Carbon tetrachloride	< 4.7	U	µg/kg dry	5.7	4.7	1				"		х
108-90-7	Chlorobenzene	< 0.9	U	µg/kg dry	5.7	0.9	1				"		х
75-00-3	Chloroethane	< 3.2	U	µg/kg dry	11.5	3.2	1		"	"	"	"	х
67-66-3	Chloroform	< 1.9	U	µg/kg dry	5.7	1.9	1				"		х
74-87-3	Chloromethane	< 2.4	U	µg/kg dry	11.5	2.4	1				"		х
124-48-1	Dibromochloromethane	< 3.9	U	µg/kg dry	5.7	3.9	1				"		х
95-50-1	1,2-Dichlorobenzene	< 1.0	U	µg/kg dry	5.7	1.0	1				"		х
541-73-1	1,3-Dichlorobenzene	< 1.2	U	µg/kg dry	5.7	1.2	1				"		х
106-46-7	1,4-Dichlorobenzene	< 1.4	U	µg/kg dry	5.7	1.4	1				"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.0	U	µg/kg dry	11.5	2.0	1	"	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 3.7	U	µg/kg dry	5.7	3.7	1				"		х
107-06-2	1,2-Dichloroethane	< 1.4	U	µg/kg dry	5.7	1.4	1				"		х
75-35-4	1,1-Dichloroethene	< 4.3	U	µg/kg dry	5.7	4.3	1				"		х
156-59-2	cis-1,2-Dichloroethene	< 2.1	U	µg/kg dry	5.7	2.1	1				"		х
156-60-5	trans-1,2-Dichloroethene	< 3.0	U	µg/kg dry	5.7	3.0	1				"		х
78-87-5	1,2-Dichloropropane	< 3.0	U	µg/kg dry	5.7	3.0	1				"		х
10061-01-5	cis-1,3-Dichloropropene	< 3.5	U	µg/kg dry	5.7	3.5	1				"		х
10061-02-6	trans-1,3-Dichloropropene	< 3.0	U	µg/kg dry	5.7	3.0	1				"		х
100-41-4	Ethylbenzene	< 1.0	U	µg/kg dry	5.7	1.0	1				"		х
591-78-6	2-Hexanone (MBK)	< 6.3	U	µg/kg dry	57.3	6.3	1				"		х
98-82-8	Isopropylbenzene	< 1.1	U	µg/kg dry	5.7	1.1	1				"		х
99-87-6	4-Isopropyltoluene	< 5.4	U	µg/kg dry	5.7	5.4	1				"		х
1634-04-4	Methyl tert-butyl ether	< 2.2	U	µg/kg dry	5.7	2.2	1		"	"	"	"	х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.8	U	µg/kg dry	57.3	10.8	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	3.5	O01, J	µg/kg dry	11.5	1.7	1	"	"		"	"	х
91-20-3	Naphthalene	< 5.2	U	µg/kg dry	5.7	5.2	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 5.5	U	µg/kg dry	5.7	5.5	1	"	"		"	"	х
100-42-5	Styrene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 4.8	U	µg/kg dry	5.7	4.8	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 2.2	U	µg/kg dry	5.7	2.2	1	"	"		"	"	х
108-88-3	Toluene	< 1.3	U	µg/kg dry	5.7	1.3	1	"	"	"	"	"	х

Sample Id SB-04-14- SC06702-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 14			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
	ganic Compounds by SV												
	by method SW846 5035A						ial weight:	-					
71-55-6	1,1,1-Trichloroethane	< 1.5	U	µg/kg dry	5.7	1.5	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
79-00-5	1,1,2-Trichloroethane	< 4.2	U	µg/kg dry	5.7	4.2	1	"	"	"	"		Х
79-01-6	Trichloroethene	< 1.0	U	µg/kg dry	5.7	1.0	1	"	"	"	"		Х
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.1	U	µg/kg dry	5.7	3.1	1	"	"	"		"	х
95-63-6	1,2,4-Trimethylbenzene	< 1.4	U	µg/kg dry	5.7	1.4	1		"	"	"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 1.6	U	µg/kg dry	5.7	1.6	1		"	"	"	"	х
75-01-4	Vinyl chloride	< 2.1	U	µg/kg dry	5.7	2.1	1		"	"	"		х
179601-23-1	m,p-Xylene	< 1.1	U	µg/kg dry	11.5	1.1	1		"	"	"		х
95-47-6	o-Xylene	< 1.2	U	µg/kg dry	5.7	1.2	1	"	"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	96			70-13	0 %			"	"	"		
2037-26-5	Toluene-d8	111			70-13	0 %			"	"	"		
17060-07-0	1,2-Dichloroethane-d4	109			70-13	0 %			"		"	"	
1868-53-7	Dibromofluoromethane	112			70-13	0 %		"	"	"	"	"	
	ganic Compounds by method SW846 50354	A Soil (low lev	رام			Ini	tial weight:	630					
108-05-4	Vinyl acetate	< 12.0	U	µg/kg dry	57.3	12.0	1	<u>0.0 g</u> "	01-May-1		"	1508448	
		12.0		µ99 a. )	0110	.2.0	•		5				
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	105			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0 %			"	"	"		
17060-07-0	1,2-Dichloroethane-d4	117			70-13	0 %		"	"	"	"		
1868-53-7	Dibromofluoromethane	104			70-13	0 %		"	"	"	"	"	
	/ Identified Compounds b by method SW846 50354		rel)			Ini	tial weight:	63a					
	Tentatively Identified Compounds	None found		µg/kg dry		<u></u>	1	SW846 8260C TICs	01-May-1 5	"	SJB	1508450	
General Cl	hemistry Parameters												
	% Solids	83.6		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Id Blind Du SC06702-	-			<u>Client P</u> 2150	•		<u>Matrix</u> Soil		ection Date -Apr-15 00			<u>eceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	rganic Compounds by SW												
	by method SW846 5035A		-				ial weight:						
67-64-1	Acetone	< 41.2	U	µg/kg dry	61.7	41.2	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
71-43-2	Benzene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 4.1	U	µg/kg dry	6.2	4.1	1	"	"		"		Х
75-25-2	Bromoform	< 5.9	U	µg/kg dry	6.2	5.9	1		"	"	"	"	Х
74-83-9	Bromomethane	< 3.5	U	µg/kg dry	12.3	3.5	1	"	"		"		Х
78-93-3	2-Butanone (MEK)	< 7.4	U	µg/kg dry	61.7	7.4	1		"	"	"		х
104-51-8	n-Butylbenzene	< 1.8	U	µg/kg dry	6.2	1.8	1		"		"		х
135-98-8	sec-Butylbenzene	< 4.8	U	µg/kg dry	6.2	4.8	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 4.1	U	µg/kg dry	6.2	4.1	1	"	"		"	"	х
75-15-0	Carbon disulfide	< 3.8	U	µg/kg dry	12.3	3.8	1	"	"		"	"	х
56-23-5	Carbon tetrachloride	< 5.0	U	µg/kg dry	6.2	5.0	1	"	"		"	"	х
108-90-7	Chlorobenzene	< 1.0	U	µg/kg dry	6.2	1.0	1		"		"		х
75-00-3	Chloroethane	< 3.4	U	µg/kg dry	12.3	3.4	1		"		"		х
67-66-3	Chloroform	< 2.0	U	µg/kg dry	6.2	2.0	1	"	"		"		х
74-87-3	Chloromethane	< 2.5	U	µg/kg dry	12.3	2.5	1				"		х
124-48-1	Dibromochloromethane	< 4.2	U	µg/kg dry	6.2	4.2	1				"		х
95-50-1	1,2-Dichlorobenzene	< 1.1	U	µg/kg dry	6.2	1.1	1		"		"		х
541-73-1	1,3-Dichlorobenzene	< 1.3	U	µg/kg dry	6.2	1.3	1	"	"		"		х
106-46-7	1,4-Dichlorobenzene	< 1.5	U	µg/kg dry	6.2	1.5	1	"	"		"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.1	U	µg/kg dry	12.3	2.1	1	u	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 4.0	U	µg/kg dry	6.2	4.0	1		"		"		х
107-06-2	1,2-Dichloroethane	< 1.5	U	µg/kg dry	6.2	1.5	1	"	"		"		х
75-35-4	1,1-Dichloroethene	< 4.6	U	µg/kg dry	6.2	4.6	1				"		х
156-59-2	cis-1,2-Dichloroethene	< 2.3	U	µg/kg dry	6.2	2.3	1				"		х
156-60-5	trans-1,2-Dichloroethene	< 3.3	U	µg/kg dry	6.2	3.3	1				"		х
78-87-5	1,2-Dichloropropane	< 3.2	U	µg/kg dry	6.2	3.2	1		"				х
10061-01-5	cis-1,3-Dichloropropene	< 3.7	U	µg/kg dry	6.2	3.7	1				"		х
10061-02-6	trans-1,3-Dichloropropene	< 3.2	U	µg/kg dry	6.2	3.2	1	"	"		"		х
100-41-4	Ethylbenzene	< 1.1	U	µg/kg dry	6.2	1.1	1		"		"		х
591-78-6	2-Hexanone (MBK)	< 6.8	U	µg/kg dry	61.7	6.8	1		"		"		х
98-82-8	Isopropylbenzene	< 1.2	U	µg/kg dry	6.2	1.2	1		"		"		х
99-87-6	4-Isopropyltoluene	< 5.8	U	µg/kg dry	6.2	5.8	1	"	"		"		х
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	n	"	u	"	"	X
75-09-2	Methylene chloride	2.9	O01, J	µg/kg dry	12.3	1.8	1	"	"	"	"	"	х
91-20-3	Naphthalene	< 5.7	U	µg/kg dry	6.2	5.7	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 6.0	U	µg/kg dry	6.2	6.0	1	"	"		"	"	х
100-42-5	Styrene	< 1.1	U	µg/kg dry	6.2	1.1	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 5.2	U	µg/kg dry	6.2	5.2	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 2.4	U	µg/kg dry	6.2	2.4	1	"	"		"	"	х
108-88-3	Toluene	< 1.4	U	µg/kg dry	6.2	1.4	1	"	"	"	"	"	Х

Sample Id Blind Dup SC06702-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 00			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
	ganic Compounds by SV												
	by method SW846 5035A						tial weight:	-					
71-55-6	1,1,1-Trichloroethane	< 1.6	U	µg/kg dry	6.2	1.6	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
79-00-5	1,1,2-Trichloroethane	< 4.5	U	µg/kg dry	6.2	4.5	1			"	"	"	Х
79-01-6	Trichloroethene	< 1.1	U	µg/kg dry	6.2	1.1	1		"	"	"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.3	U	µg/kg dry	6.2	3.3	1	n		"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 1.5	U	µg/kg dry	6.2	1.5	1		"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 1.8	U	µg/kg dry	6.2	1.8	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 2.2	U	µg/kg dry	6.2	2.2	1		"	"	"	"	х
179601-23-1	m,p-Xylene	< 1.2	U	µg/kg dry	12.3	1.2	1			"	"	"	Х
95-47-6	o-Xylene	< 1.3	U	µg/kg dry	6.2	1.3	1		"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	96			70-13	0 %				"	"	"	
2037-26-5	Toluene-d8	110			70-13	0 %					"	"	
17060-07-0	1,2-Dichloroethane-d4	106			70-13	0 %				"	"	"	
1868-53-7	Dibromofluoromethane	112			70-13	0 %			"	"	"	"	
	ganic Compounds by method SW846 5035/	A Soil (low leve	<u>el)</u>			Ini	tial weight:	<u>6.09 g</u>					
108-05-4	Vinyl acetate	< 13.0	U	µg/kg dry	61.7	13.0	1	n	01-May-1 5	"	"	1508448	
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	104			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	114			70-13	0 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	103			70-13	0 %			"	"	"	"	
	Identified Compounds b by method SW846 5035A		<u>el)</u>			Ini	tial weight:	<u>6.09 g</u>					
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8260C TICs	01-May-1 5	"	SJB	1508450	
General Cl	hemistry Parameters												
	% Solids	81.5		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Id SB-05-7-4 SC06702				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date '-Apr-15 00			eceived Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS											
	tile Organic Compounds by method SW846 3545A												
83-32-9	Acenaphthene	< 18.2	U	µg/kg dry	78.2	18.2	1	SW846 8270D	29-Apr-15	05-May-1 5	MSL	1508313	х
208-96-8	Acenaphthylene	< 16.6	U	µg/kg dry	78.2	16.6	1	"	"		"	"	х
120-12-7	Anthracene	< 17.9	U	µg/kg dry	78.2	17.9	1			"	"		Х
56-55-3	Benzo (a) anthracene	< 16.2	U	µg/kg dry	78.2	16.2	1		"	"	"		Х
50-32-8	Benzo (a) pyrene	< 16.3	U	µg/kg dry	78.2	16.3	1		"		"		х
205-99-2	Benzo (b) fluoranthene	< 17.8	U	µg/kg dry	78.2	17.8	1		"	"	"		х
191-24-2	Benzo (g,h,i) perylene	< 16.9	U	µg/kg dry	78.2	16.9	1			"	"		х
207-08-9	Benzo (k) fluoranthene	< 17.8	U	µg/kg dry	78.2	17.8	1			"	"		х
111-91-1	Bis(2-chloroethoxy)metha ne	< 70.6	U	µg/kg dry	387	70.6	1	n	"	"	"		х
111-44-4	Bis(2-chloroethyl)ether	< 70.4	U	µg/kg dry	196	70.4	1		"	"	"	"	Х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 70.3	U	µg/kg dry	196	70.3	1	"	"	"	"	"	Х
117-81-7	Bis(2-ethylhexyl)phthalate	< 96.6	U	µg/kg dry	196	96.6	1				"		х
101-55-3	4-Bromophenyl phenyl ether	< 78.2	U	µg/kg dry	387	78.2	1	n	"	"	"	"	х
85-68-7	Butyl benzyl phthalate	< 85.7	U	µg/kg dry	387	85.7	1			"	"		х
86-74-8	Carbazole	< 99.5	U	µg/kg dry	196	99.5	1			"	"		х
59-50-7	4-Chloro-3-methylphenol	< 80.3	U	µg/kg dry	387	80.3	1			"	"		х
106-47-8	4-Chloroaniline	< 79.9	U	µg/kg dry	196	79.9	1			"	"		х
91-58-7	2-Chloronaphthalene	< 68.0	U	µg/kg dry	387	68.0	1			"	"		х
95-57-8	2-Chlorophenol	< 69.2	U	µg/kg dry	196	69.2	1			"	"		х
7005-72-3	4-Chlorophenyl phenyl ether	< 72.7	U	µg/kg dry	387	72.7	1	"	"	"	"	"	х
218-01-9	Chrysene	< 19.1	U	µg/kg dry	78.2	19.1	1			"	"		х
53-70-3	Dibenzo (a,h) anthracene	< 14.4	U	µg/kg dry	78.2	14.4	1			"	"		х
132-64-9	Dibenzofuran	< 14.4	U	µg/kg dry	196	14.4	1			"	"		х
95-50-1	1,2-Dichlorobenzene	< 65.0	U	µg/kg dry	387	65.0	1			"	"		х
541-73-1	1,3-Dichlorobenzene	< 68.7	U	µg/kg dry	387	68.7	1			"	"		х
106-46-7	1,4-Dichlorobenzene	< 64.0	U	µg/kg dry	387	64.0	1		"	"	"		х
91-94-1	3,3'-Dichlorobenzidine	< 78.6	U	µg/kg dry	387	78.6	1		"	"	"	"	Х
120-83-2	2,4-Dichlorophenol	< 66.6	U	µg/kg dry	196	66.6	1		"	"	"		х
84-66-2	Diethyl phthalate	< 80.8	U	µg/kg dry	387	80.8	1		"	"	"		х
131-11-3	Dimethyl phthalate	< 76.2	U	µg/kg dry	387	76.2	1		"	"	"		х
105-67-9	2,4-Dimethylphenol	< 66.3	U	µg/kg dry	387	66.3	1		"	"	"		х
84-74-2	Di-n-butyl phthalate	< 86.9	U	µg/kg dry	387	86.9	1		"	"	"		х
534-52-1	4,6-Dinitro-2-methylphenol	< 103	U	µg/kg dry	387	103	1	"	"		"	"	х
51-28-5	2,4-Dinitrophenol	< 102	U	µg/kg dry	387	102	1	"	"		"	"	х
121-14-2	2,4-Dinitrotoluene	< 80.6	U	µg/kg dry	196	80.6	1	"	"		"	"	х
606-20-2	2,6-Dinitrotoluene	< 76.0	U	µg/kg dry	196	76.0	1	"	"		"	"	х
117-84-0	Di-n-octyl phthalate	< 83.6	U	µg/kg dry	387	83.6	1	"	"		"	"	х
206-44-0	Fluoranthene	< 19.6	U	µg/kg dry	78.2	19.6	1	"	"		"	"	х
86-73-7	Fluorene	< 18.7	U	µg/kg dry	78.2	18.7	1	"	"	"	"	"	х
118-74-1	Hexachlorobenzene	< 85.5	U	µg/kg dry	196	85.5	1	"	"		"	"	х
87-68-3	Hexachlorobutadiene	< 62.3	U	µg/kg dry	196	62.3	1	n	"		"	"	х

Sample IC SB-05-7-8 SC06702-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 00			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
	tile Organic Compounds												
Prepared 77-47-4	by method SW846 3545A Hexachlorocyclopentadien e	< 71.4	U	µg/kg dry	196	71.4	1	SW846 8270D	29-Apr-15	05-May-1 5	MSL	1508313	х
67-72-1	Hexachloroethane	< 75.2	U	µg/kg dry	196	75.2	1	"		"	"		х
193-39-5	Indeno (1,2,3-cd) pyrene	< 16.0	U	µg/kg dry	78.2	16.0	1	"	"		"	"	х
78-59-1	Isophorone	< 68.3	U	µg/kg dry	196	68.3	1	"	"		"	"	х
91-57-6	2-Methylnaphthalene	< 16.1	U	µg/kg dry	78.2	16.1	1	"	"		"	"	х
95-48-7	2-Methylphenol	< 69.4	U	µg/kg dry	387	69.4	1	"	"		"	"	х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 87.1	U	µg/kg dry	387	87.1	1	"		"	"	"	х
91-20-3	Naphthalene	< 15.9	U	µg/kg dry	78.2	15.9	1	"	"		"	"	Х
88-74-4	2-Nitroaniline	< 77.6	U	µg/kg dry	387	77.6	1	"	"		"	"	х
99-09-2	3-Nitroaniline	< 92.6	U	µg/kg dry	387	92.6	1	"	"		"	"	Х
100-01-6	4-Nitroaniline	< 112	U	µg/kg dry	196	112	1	"	"		"	"	Х
98-95-3	Nitrobenzene	< 75.9	U	µg/kg dry	196	75.9	1	"	"		"	"	Х
88-75-5	2-Nitrophenol	< 64.8	U	µg/kg dry	196	64.8	1	"	"		"	"	Х
100-02-7	4-Nitrophenol	< 105	U	µg/kg dry	1550	105	1	"	"	"	"	"	х
621-64-7	N-Nitrosodi-n-propylamine	< 83.3	U	µg/kg dry	196	83.3	1	"	"	"	"	"	Х
86-30-6	N-Nitrosodiphenylamine	< 91.0	U	µg/kg dry	387	91.0	1	"	"	"	"	"	Х
87-86-5	Pentachlorophenol	< 92.1	U	µg/kg dry	387	92.1	1	"	"	"	"	"	х
85-01-8	Phenanthrene	< 19.1	U	µg/kg dry	78.2	19.1	1		"		"	"	х
108-95-2	Phenol	< 70.4	U	µg/kg dry	387	70.4	1		"		"	"	х
129-00-0	Pyrene	< 16.7	U	µg/kg dry	78.2	16.7	1		"		"	"	х
120-82-1	1,2,4-Trichlorobenzene	< 61.6	U	µg/kg dry	387	61.6	1		"		"	"	х
95-95-4	2,4,5-Trichlorophenol	< 80.0	U	µg/kg dry	387	80.0	1	"	"		"	"	х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	74			30-13	80 %		"	"		"	"	
367-12-4	2-Fluorophenol	90			30-13	80 %		"	"		"	"	
4165-60-0	Nitrobenzene-d5	91			30-13	80 %		"	"		"	"	
4165-62-2	Phenol-d5	96			30-13	80 %		"	"		"	"	
1718-51-0	Terphenyl-dl4	87			30-13	80 %		"	"	"	"	"	
118-79-6	2,4,6-Tribromophenol	74			30-13	80 %		"	"	"	"	"	
	y Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS			MSL	"	
Total Meta	als 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-1 5	04-May-1 5	TBC	1508397	х
7440-38-2	Arsenic	6.18		mg/kg dry	1.74	0.282	1	"	"		"	"	х
7440-39-3	Barium	66.2		mg/kg dry	1.16	0.0691	1	"	"		"	"	х
7440-43-9	Cadmium	0.0361	J	mg/kg dry	0.582	0.0186	1	"	"		"	"	х
7440-47-3	Chromium	12.6		mg/kg dry	1.16	0.111	1	"	"		"	"	х
7439-97-6	Mercury	0.0110	J	mg/kg dry	0.0331	0.0022	1	SW846 7471B	"	04-May-1 5	YR	1508398	Х
7439-92-1	Lead	12.3		mg/kg dry	1.74	0.321	1	SW846 6010C	"	04-May-1 5	TBC	1508397	Х
7782-49-2	Selenium	< 0.437	U	mg/kg dry	1.74	0.437	1	"	"	"	"	"	х

SB-05-7-				<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 00	·		<u>ceived</u> Apr-15	
CAS No.	C06702-08 IS No. Analyte(s) Result			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-1 5	05-May-1 5	RLT	1508657	X

<u>Sample Ic</u> SB-02-10 SC06702-				<u>Client Pr</u> 2150	•		<u>Matrix</u> Soil		ection Date -Apr-15 11			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	rganic Compounds by SW												
	by method SW846 5035A						ial weight:	_					
67-64-1	Acetone	< 36.9	U	µg/kg dry	55.3	36.9	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
71-43-2	Benzene	< 1.0	U	µg/kg dry	5.5	1.0	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 3.7	U	µg/kg dry	5.5	3.7	1	"	"		"		Х
75-25-2	Bromoform	< 5.3	U	µg/kg dry	5.5	5.3	1		"	"	"	"	Х
74-83-9	Bromomethane	< 3.2	U	µg/kg dry	11.1	3.2	1	"	"		"		Х
78-93-3	2-Butanone (MEK)	< 6.6	U	µg/kg dry	55.3	6.6	1		"		"		х
104-51-8	n-Butylbenzene	< 1.6	U	µg/kg dry	5.5	1.6	1				"		х
135-98-8	sec-Butylbenzene	< 4.3	U	µg/kg dry	5.5	4.3	1				"		х
98-06-6	tert-Butylbenzene	< 3.6	U	µg/kg dry	5.5	3.6	1	"	"		"		Х
75-15-0	Carbon disulfide	< 3.4	U	µg/kg dry	11.1	3.4	1	"	"		"	"	х
56-23-5	Carbon tetrachloride	< 4.5	U	µg/kg dry	5.5	4.5	1	"	"		"	"	х
108-90-7	Chlorobenzene	< 0.9	U	µg/kg dry	5.5	0.9	1		"		"		х
75-00-3	Chloroethane	< 3.1	U	µg/kg dry	11.1	3.1	1		"		"		х
67-66-3	Chloroform	< 1.8	U	µg/kg dry	5.5	1.8	1	"			"		х
74-87-3	Chloromethane	< 2.3	U	µg/kg dry	11.1	2.3	1				"		х
124-48-1	Dibromochloromethane	< 3.7	U	µg/kg dry	5.5	3.7	1				"		х
95-50-1	1,2-Dichlorobenzene	< 1.0	U	µg/kg dry	5.5	1.0	1		"		"		х
541-73-1	1,3-Dichlorobenzene	< 1.1	U	µg/kg dry	5.5	1.1	1	"			"		х
106-46-7	1,4-Dichlorobenzene	< 1.3	U	µg/kg dry	5.5	1.3	1	"			"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.9	U	µg/kg dry	11.1	1.9	1	u	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 3.6	U	µg/kg dry	5.5	3.6	1				"		х
107-06-2	1,2-Dichloroethane	< 1.3	U	µg/kg dry	5.5	1.3	1	"			"		х
75-35-4	1,1-Dichloroethene	< 4.2	U	µg/kg dry	5.5	4.2	1				"		х
156-59-2	cis-1,2-Dichloroethene	< 2.0	U	µg/kg dry	5.5	2.0	1	"			"		х
156-60-5	trans-1,2-Dichloroethene	< 2.9	U	µg/kg dry	5.5	2.9	1				"		х
78-87-5	1,2-Dichloropropane	< 2.9	U	µg/kg dry	5.5	2.9	1		"				х
10061-01-5	cis-1,3-Dichloropropene	< 3.3	U	µg/kg dry	5.5	3.3	1				"		х
10061-02-6	trans-1,3-Dichloropropene	< 2.9	U	µg/kg dry	5.5	2.9	1	"			"		х
100-41-4	Ethylbenzene	< 1.0	U	µg/kg dry	5.5	1.0	1		"		"		х
591-78-6	2-Hexanone (MBK)	< 6.1	U	µg/kg dry	55.3	6.1	1		"		"		х
98-82-8	Isopropylbenzene	< 1.1	U	µg/kg dry	5.5	1.1	1				"		х
99-87-6	4-Isopropyltoluene	< 5.2	U	µg/kg dry	5.5	5.2	1	"			"		х
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	n	"	"	"	"	X
75-09-2	Methylene chloride	3.3	O01, J	µg/kg dry	11.1	1.6	1	"	"	"	"	"	х
91-20-3	Naphthalene	< 5.1	U	µg/kg dry	5.5	5.1	1	"	"			"	х
103-65-1	n-Propylbenzene	< 5.4	U	µg/kg dry	5.5	5.4	1	"			"	"	х
100-42-5	Styrene	< 1.0	U	µg/kg dry	5.5	1.0	1	"			"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 4.7	U	µg/kg dry	5.5	4.7	1	"	"		"	"	х
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

Sample Id SB-02-10. SC06702-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 11			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SV												
Prepared I	by method SW846 5035A	<u>A Soil (Iow lev</u>	<u>(el)</u>			Ini	ial weight:	<u>5.01 g</u>					
71-55-6	1,1,1-Trichloroethane	< 1.4	U	µg/kg dry	5.5	1.4	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
79-00-5	1,1,2-Trichloroethane	< 4.0	U	µg/kg dry	5.5	4.0	1		"	"	"	"	х
79-01-6	Trichloroethene	< 1.0	U	µg/kg dry	5.5	1.0	1		"	"	"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 3.0	U	µg/kg dry	5.5	3.0	1	"	"	"	"		х
95-63-6	1,2,4-Trimethylbenzene	< 1.4	U	µg/kg dry	5.5	1.4	1		"	"	"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 1.6	U	µg/kg dry	5.5	1.6	1		"	"	"	"	х
75-01-4	Vinyl chloride	< 2.0	U	µg/kg dry	5.5	2.0	1		"	"	"	"	х
179601-23-1	m,p-Xylene	< 1.1	U	µg/kg dry	11.1	1.1	1		"	"	"	"	х
95-47-6	o-Xylene	< 1.2	U	µg/kg dry	5.5	1.2	1	"	"		"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	97			70-13	0 %			"	"	"	"	
2037-26-5	Toluene-d8	111			70-13	0 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	106			70-13	0 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	111			70-13	0 %		"	"		"	"	
	rganic Compounds by method SW846 5035/	A Soil (low lev	vel)			Ini	ial weight:	5 01 a					
108-05-4	Vinyl acetate	< 11.6	<u>U</u>	µg/kg dry	55.3	11.6	1	<u></u> "	01-May-1	"	"	1508448	
	,			10 0 1					5				
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	106			70-13	0 %			"	"	"	"	
2037-26-5	Toluene-d8	101			70-13	0 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	114			70-13	0 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-13	0 %			"	"	"	"	
	y Identified Compounds b by method SW846 50354		vel)			Ini	ial weight:	5 01 a					
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8260C TICs	01-May-1 5	"	SJB	1508450	
General Cl	hemistry Parameters												
-	% Solids	94.9		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Id SB-06-5-0 SC06702-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 16			eceived Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	ile Organic Compounds by (	GCMS											
	tile Organic Compounds by method SW846 3545A												
83-32-9	Acenaphthene	< 19.1	U	µg/kg dry	82.0	19.1	1	SW846 8270D	29-Apr-15	-	MSL	1508313	х
208-96-8	Acenaphthylene	< 17.4	U	µg/kg dry	82.0	17.4	1	"	"	5 "			х
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)metha	< 74.1	U	µg/kg dry	406	74.1	1	"	"	"	"	"	х
111-44-4	Bis(2-chloroethyl)ether	< 73.8	U	µg/kg dry	205	73.8	1		"		"		х
108-60-1	Bis(2-chloroisopropyl)ethe	< 73.7	U	µg/kg dry	205	73.7	1	u	"	"	"	"	х
117-81-7	Bis(2-ethylhexyl)phthalate	< 101	U	µg/kg dry	205	101	1		"	"	"		х
101-55-3	4-Bromophenyl phenyl ether	< 82.0	U	µg/kg dry	406	82.0	1	u	"	"	"	"	х
85-68-7	Butyl benzyl phthalate	< 89.9	U	µg/kg dry	406	89.9	1		"		"		х
86-74-8	Carbazole	< 104	U	µg/kg dry	205	104	1				"		х
59-50-7	4-Chloro-3-methylphenol	< 84.2	U	µg/kg dry	406	84.2	1		"		"		х
106-47-8	4-Chloroaniline	< 83.7	U	µg/kg dry	205	83.7	1	•	"		"		х
91-58-7	2-Chloronaphthalene	< 71.3	U	µg/kg dry	406	71.3	1		"		"		х
95-57-8	2-Chlorophenol	< 72.6	U	µg/kg dry	205	72.6	1	•	"		"		х
7005-72-3	4-Chlorophenyl phenyl ether	< 76.2	U	µg/kg dry	406	76.2	1	"	"	"	"	"	х
218-01-9	Chrysene	< 20.0	U	µg/kg dry	82.0	20.0	1		"		"		х
53-70-3	Dibenzo (a,h) anthracene	< 15.1	U	µg/kg dry	82.0	15.1	1		"		"		Х
132-64-9	Dibenzofuran	< 15.1	U	µg/kg dry	205	15.1	1		"		"		х
95-50-1	1,2-Dichlorobenzene	< 68.2	U	µg/kg dry	406	68.2	1		"		"		х
541-73-1	1,3-Dichlorobenzene	< 72.0	U	µg/kg dry	406	72.0	1		"		"		х
106-46-7	1,4-Dichlorobenzene	< 67.2	U	µg/kg dry	406	67.2	1		"		"		х
91-94-1	3,3'-Dichlorobenzidine	< 82.4	U	µg/kg dry	406	82.4	1		"		"		х
120-83-2	2,4-Dichlorophenol	< 69.8	U	µg/kg dry	205	69.8	1		"		"		х
84-66-2	Diethyl phthalate	< 84.7	U	µg/kg dry	406	84.7	1		"	"	"	"	Х
131-11-3	Dimethyl phthalate	< 79.9	U	µg/kg dry	406	79.9	1	"	"		"	"	х
105-67-9	2,4-Dimethylphenol	< 69.5	U	µg/kg dry	406	69.5	1		"	"	"		Х
84-74-2	Di-n-butyl phthalate	< 91.1	U	µg/kg dry	406	91.1	1	"	"		"	"	х
534-52-1	4,6-Dinitro-2-methylphenol	< 108	U	µg/kg dry	406	108	1	"	"	"	"	"	х
51-28-5	2,4-Dinitrophenol	< 107	U	µg/kg dry	406	107	1	"	"		"	"	х
121-14-2	2,4-Dinitrotoluene	< 84.6	U	µg/kg dry	205	84.6	1	"	"	"	"	"	х
606-20-2	2,6-Dinitrotoluene	< 79.7	U	µg/kg dry	205	79.7	1	"	"		"	"	х
117-84-0	Di-n-octyl phthalate	< 87.6	U	µg/kg dry	406	87.6	1	"	"	"	"	"	х
206-44-0	Fluoranthene	< 20.6	U	µg/kg dry	82.0	20.6	1	"	"		"	"	х
86-73-7	Fluorene	< 19.6	U	µg/kg dry	82.0	19.6	1		"		"		Х

<u>Sample Id</u> SB-06-5-6	lentification			Client P	roject #		<u>Matrix</u>	Colle	ection Date	/Time	Re	ceived	
SC06702-				2150	606		Soil	27	-Apr-15 16	00:00	28-	Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Semivolati	ile Organic Compounds by (	GCMS											
	tile Organic Compounds 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-1 5	MSL	1508313	х
87-68-3	Hexachlorobutadiene	< 65.3	U	µg/kg dry	205	65.3	1		"		"	"	х
77-47-4	Hexachlorocyclopentadien e	< 74.8	U	µg/kg dry	205	74.8	1	"	"	"	"	"	х
67-72-1	Hexachloroethane	< 78.8	U	µg/kg dry	205	78.8	1		"	"	"		Х
193-39-5	Indeno (1,2,3-cd) pyrene	< 16.8	U	µg/kg dry	82.0	16.8	1		"	"	"		Х
78-59-1	Isophorone	< 71.7	U	µg/kg dry	205	71.7	1		"	"	"	"	Х
91-57-6	2-Methylnaphthalene	< 16.9	U	µg/kg dry	82.0	16.9	1		"		"		Х
95-48-7	2-Methylphenol	< 72.8	U	µg/kg dry	406	72.8	1		"	"	"		Х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 91.3	U	µg/kg dry	406	91.3	1	"	"	"	"		х
91-20-3	Naphthalene	< 16.7	U	µg/kg dry	82.0	16.7	1		"	"	"		Х
88-74-4	2-Nitroaniline	< 81.3	U	µg/kg dry	406	81.3	1		"	"	"		Х
99-09-2	3-Nitroaniline	< 97.1	U	µg/kg dry	406	97.1	1		"	"	"	"	Х
100-01-6	4-Nitroaniline	< 117	U	µg/kg dry	205	117	1		"	"	"	"	Х
98-95-3	Nitrobenzene	< 79.6	U	µg/kg dry	205	79.6	1		"	"	"		Х
88-75-5	2-Nitrophenol	< 68.0	U	µg/kg dry	205	68.0	1		"	"	"		Х
100-02-7	4-Nitrophenol	< 110	U	µg/kg dry	1620	110	1		"	"	"		Х
621-64-7	N-Nitrosodi-n-propylamine	< 87.4	U	µg/kg dry	205	87.4	1		"	"	"		Х
86-30-6	N-Nitrosodiphenylamine	< 95.4	U	µg/kg dry	406	95.4	1		"	"	"		Х
87-86-5	Pentachlorophenol	< 96.6	U	µg/kg dry	406	96.6	1		"	"	"		Х
85-01-8	Phenanthrene	< 20.0	U	µg/kg dry	82.0	20.0	1		"	"	"		Х
108-95-2	Phenol	< 73.9	U	µg/kg dry	406	73.9	1		"	"	"		Х
129-00-0	Pyrene	< 17.5	U	µg/kg dry	82.0	17.5	1		"	"	"		Х
120-82-1	1,2,4-Trichlorobenzene	< 64.6	U	µg/kg dry	406	64.6	1		"	"	"		Х
95-95-4	2,4,5-Trichlorophenol	< 83.9	U	µg/kg dry	406	83.9	1	n	"	"	"	"	Х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	72			30-13	80 %			"	"	"	"	
367-12-4	2-Fluorophenol	88			30-13	80 %			"	"	"		
4165-60-0	Nitrobenzene-d5	86			30-13	80 %			"	"	"		
4165-62-2	Phenol-d5	90			30-13	80 %			"	"	"		
1718-51-0	Terphenyl-dl4	99			30-13	80 %			"	"	"		
118-79-6	2,4,6-Tribromophenol	72			30-13	80 %		"	"		"	"	
	y Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	u	MSL	"	
Fotal Meta	als 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-1 5	04-May-1 5	TBC	1508397	Х
7440-38-2	Arsenic	5.17		mg/kg dry	1.83	0.295	1	"	"	"	"	"	х
7440-39-3	Barium	159		mg/kg dry	1.22	0.0723	1	"	"		"	"	х
7440-43-9	Cadmium	0.0652	J	mg/kg dry	0.609	0.0195	1	"	"		"	"	х
7440-47-3	Chromium	9.48		mg/kg dry	1.22	0.116	1	"	"		"	"	х
7439-97-6	Mercury	0.0474		mg/kg dry	0.0347	0.0023	1	SW846 7471B	"	04-May-1 5	YR	1508398	Х

Sample Ic SB-06-5-0 SC06702-				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 16			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/7000 S	eries Methods											
7439-92-1	Lead	22.1		mg/kg dry	1.83	0.336	1	SW846 6010C	04-May-1 5	04-May-1 5	TBC	1508397	Х
7782-49-2	Selenium	0.846	J	mg/kg dry	1.83	0.457	1		"		"	"	Х
General C	hemistry 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-1 5	05-May-1 5	RLT	1508657	Х

Sample Identification SB-07-19-20' SC06702-13				Client Project # 2150606					ection Date/Time 7-Apr-15 17:00		Received 28-Apr-15		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	rganic Compounds by SW												
	by method SW846 5035A						tial weight: (	-					
67-64-1	Acetone	< 30.9	U	µg/kg dry	46.2	30.9	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	X
71-43-2	Benzene	< 0.8	U	µg/kg dry	4.6	0.8	1	"			"	"	х
75-27-4	Bromodichloromethane	< 3.1	U	µg/kg dry	4.6	3.1	1	"	"		"	"	х
75-25-2	Bromoform	< 4.4	U	µg/kg dry	4.6	4.4	1	"	"	"	"		х
74-83-9	Bromomethane	< 2.6	U	µg/kg dry	9.2	2.6	1	"	"	"	"		х
78-93-3	2-Butanone (MEK)	< 5.5	U	µg/kg dry	46.2	5.5	1	"	"		"		х
104-51-8	n-Butylbenzene	< 1.3	U	µg/kg dry	4.6	1.3	1				"		х
135-98-8	sec-Butylbenzene	< 3.6	U	µg/kg dry	4.6	3.6	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 3.0	U	µg/kg dry	4.6	3.0	1				"		х
75-15-0	Carbon disulfide	< 2.8	U	µg/kg dry	9.2	2.8	1		"	"	"		х
56-23-5	Carbon tetrachloride	< 3.8	U	µg/kg dry	4.6	3.8	1	"	"		"		х
108-90-7	Chlorobenzene	< 0.7	U	µg/kg dry	4.6	0.7	1	"	"		"		х
75-00-3	Chloroethane	< 2.6	U	µg/kg dry	9.2	2.6	1	"	"		"		х
67-66-3	Chloroform	< 1.5	U	µg/kg dry	4.6	1.5	1	"	"		"		х
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	"	"		"		х
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 µg/kg dry	4.6	1.8	1		"		"		x
108-10-1	4-Methyl-2-pentanone (MIBK)	< 8.7	U	µg/kg dry 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	"	"		"	"	х
91-20-3	Naphthalene	< 4.2	U	µg/kg dry	4.6	4.2	1	"	"		"	"	х
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
	Toluene	< 1.1	U	µg/kg dry µg/kg dry	4.6	1.1	1	"					x

Sample Id SB-07-19- SC06702-				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 17			eceived Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
Volatile Or	rganic Compounds by SV												
	by method SW846 50354						ial weight: (						
71-55-6	1,1,1-Trichloroethane	< 1.2	U	µg/kg dry	4.6	1.2	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508450	Х
79-00-5	1,1,2-Trichloroethane	< 3.4	U	µg/kg dry	4.6	3.4	1	"	"		"		х
79-01-6	Trichloroethene	< 0.8	U	µg/kg dry	4.6	0.8	1	"	"		"		х
75-69-4	Trichlorofluoromethane (Freon 11)	< 2.5	U	µg/kg dry	4.6	2.5	1	"	"	"	"	"	Х
95-63-6	1,2,4-Trimethylbenzene	< 1.2	U	µg/kg dry	4.6	1.2	1	"	"	"	"		х
108-67-8	1,3,5-Trimethylbenzene	< 1.3	U	µg/kg dry	4.6	1.3	1	"	"	"	"		х
75-01-4	Vinyl chloride	< 1.7	U	µg/kg dry	4.6	1.7	1		"		"		х
179601-23-1	m,p-Xylene	< 0.9	U	µg/kg dry	9.2	0.9	1		"	"	"	"	х
95-47-6	o-Xylene	< 1.0	U	µg/kg dry	4.6	1.0	1	"	"		"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	95			70-13	80 %		"	"	"	"		
2037-26-5	Toluene-d8	110			70-13	80 %			"	"	"		
17060-07-0	1,2-Dichloroethane-d4	105			70-13	80 %		u	"	"	"	"	
1868-53-7	Dibromofluoromethane	114			70-13	80 %		"	"	"	"		
by SW846	sis of Volatile Organic Cor 5 8260 by method SW846 5035/		QCR			Init	ial weight:	11 19 a					
67-64-1	Acetone	< 203	U, D	µg/kg dry	304	203	50	SW846 8260C	05-May-1	05-May-1	SJB	1508645	х
				10 0 9					5	5			
71-43-2	Benzene	< 5.5	U, D	µg/kg dry	30.4	5.5	50	u	"		"		Х
75-27-4	Bromodichloromethane	< 20.3	U, D	µg/kg dry	30.4	20.3	50	"	"	"	"	"	Х
75-25-2	Bromoform	< 29.0	U, D	µg/kg dry	30.4	29.0	50		"		"	"	Х
74-83-9	Bromomethane	< 17.3	U, D	µg/kg dry	60.7	17.3	50	"	"			"	Х
78-93-3	2-Butanone (MEK)	< 36.4	U, D	µg/kg dry	304	36.4	50						Х
104-51-8	n-Butylbenzene	< 8.7	U, D	µg/kg dry	30.4	8.7	50						X
135-98-8 98-06-6	sec-Butylbenzene	< 23.7	U, D	µg/kg dry	30.4	23.7	50		"			"	X
98-06-6 75-15-0	tert-Butylbenzene	< 20.0 < 18.6	U, D U, D	µg/kg dry	30.4	20.0	50						X
56-23-5	Carbon disulfide	< 10.0 < 24.8	U, D	µg/kg dry	60.7 30.4	18.6 24.8	50 50					"	x x
108-90-7	Carbon tetrachloride Chlorobenzene	< 24.0 < 4.9	U, D	µg/kg dry	30.4 30.4	24.0 4.9	50 50						x
75-00-3	Chloroethane	< 4.9 < 16.9	U, D	µg/kg dry µg/kg dry	60.7	4.9 16.9	50				"		x
67-66-3	Chloroform	< 10.9	U, D	µg/kg dry µg/kg dry	30.4	10.9	50 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	"			"	"	х
107-06-2	1,2-Dichloroethane	< 7.4	U, D	µg/kg dry	30.4	7.4	50	"			"	"	х
75-35-4	1,1-Dichloroethene	< 22.8	U, D	µg/kg dry	30.4	22.8	50	"			"	"	х
156-59-2	cis-1,2-Dichloroethene	< 11.2	U, D	µg/kg dry	30.4	11.2	50	"		"	"		х

<u>Sample Id</u> <b>SB-07-19-</b> SC06702-				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 17			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
	ganic Compounds is of Volatile Organic Com 8260	pounds_	QCR										
Prepared I	by method SW846 5035A	Soil (high leve	<u>l)</u>			Init	tial weight:	<u>11.19 g</u>					
78-87-5	1,2-Dichloropropane	< 15.9	U, D	µg/kg dry	30.4	15.9	50	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508645	Х
10061-01-5	cis-1,3-Dichloropropene	< 18.3	U, D	µg/kg dry	30.4	18.3	50	"	5	5	"	"	х
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	"			"		х
98-82-8	Isopropylbenzene	< 5.8	U, D	µg/kg dry	30.4	5.8	50	"			"		х
99-87-6	4-Isopropyltoluene	< 28.5	U, D	µg/kg dry	30.4	28.5	50	"			"		х
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	"	"	"		"	Х
75-09-2	Methylene chloride	10.3	001, J, D	µg/kg dry	60.7	8.9	50	"	"		"		х
91-20-3	Naphthalene	< 27.8	U, D	µg/kg dry	30.4	27.8	50		"		"	"	х
103-65-1	n-Propylbenzene	< 29.4	U, D	µg/kg dry	30.4	29.4	50	"	"		"	"	х
100-42-5	Styrene	< 5.3	U, D	µg/kg dry	30.4	5.3	50	"	"		"		х
79-34-5	1,1,2,2-Tetrachloroethane	< 25.7	U, D	µg/kg dry	30.4	25.7	50	"	"		"		х
127-18-4	Tetrachloroethene	< 11.6	U, D	µg/kg dry	30.4	11.6	50	"	"		"		х
108-88-3	Toluene	< 7.0	U, D	µg/kg dry	30.4	7.0	50	"	"		"	"	х
71-55-6	1,1,1-Trichloroethane	< 7.9	U, D	µg/kg dry	30.4	7.9	50	"	"		"	"	х
79-00-5	1,1,2-Trichloroethane	< 22.0	U, D	µg/kg dry	30.4	22.0	50		"		"		х
79-01-6	Trichloroethene	< 5.2	U, D	µg/kg dry	30.4	5.2	50	"	"		"		х
75-69-4	Trichlorofluoromethane (Freon 11)	< 16.4	U, D	µg/kg dry	30.4	16.4	50	"	"	"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 7.6	U, D	µg/kg dry	30.4	7.6	50	"	"		"		х
108-67-8	1,3,5-Trimethylbenzene	< 8.7	U, D	µg/kg dry	30.4	8.7	50	"	"		"		х
75-01-4	Vinyl chloride	< 11.1	U, D	µg/kg dry	30.4	11.1	50	"	"		"		х
179601-23-1	m,p-Xylene	< 6.0	U, D	µg/kg dry	60.7	6.0	50	"	"		"		х
95-47-6	o-Xylene	< 6.5	U, D	µg/kg dry	30.4	6.5	50		"		"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	105			70-13	0 %			"				
2037-26-5	Toluene-d8	99			70-13	0%			"		"		
17060-07-0	1,2-Dichloroethane-d4	91			70-13	0%			"		"		
1868-53-7	Dibromofluoromethane	95			70-13	0 %		"	"	"		"	
	ganic Compounds		、 、			الما	ialaiadatu	C 02 ~					
Prepared 1 108-05-4	by method SW846 5035A		=	ua/ka dar	46.0		tial weight:	-	01 May 1	01 Mov 1	C ID	1500440	
108-05-4	Vinyl acetate	< 9.7	U	µg/kg dry	46.2	9.7	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508448	
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	103			70-13	0 %		u	"		"	"	
2037-26-5	Toluene-d8	100			70-13	0 %		u	"		"	"	
17060-07-0	1,2-Dichloroethane-d4	113			70-13	0 %		u	"		"	"	
1868-53-7	Dibromofluoromethane	105			70-13	0 %		"	"		"	"	
	/ Identified Compounds by by method SW846 5035A		<u>)</u>			<u>Init</u>	tial weight:	<u>6.83 g</u>					
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8260C TICs	01-May-1 5	"	SJB	1508450	

Sample Ide SB-07-19-2 SC06702-1				<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 17			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
<u>Re-analysi</u>	s of Tentatively Identified	-											
	ls by GC/MS												
Prepared b	by method SW846 5035A	Soil (high lev	<u>el)</u>			Init	ial weight:	<u>11.19 g</u>					
75-37-6	Ethane, 1,1-difluoro-	239	TIC, D	µg/kg dry			50	SW846 8260C TICs	05-May-1 5	05-May-1 5	SJB	1508645	
General Ch	emistry Parameters												
	% Solids	90.0		%			1	SM2540 G Mod.	30-Apr-15	30-Apr-15	DT	1508366	

Sample Ic Trip Blan SC06702-					Project <u>#</u> 0606		<u>Matrix</u> Aqueous		ection Date -Apr-15 00			eceived Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SW												
<u>Prepareo</u> 67-64-1	by method SW846 5030 V Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	30-Apr-15	01-May-1 5	GMA	1508341	х
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1		"		"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"	"		"	"	х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1	•	"	"	"	"	Х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"	"	Х
104-51-8	n-Butylbenzene	< 0.3	U	μg/l	1.0	0.3	1		"		"	"	Х
135-98-8	sec-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1		"		"		Х
98-06-6	tert-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1		"		"		Х
75-15-0	Carbon disulfide	< 0.3	U	μg/l	2.0	0.3	1		"		"	"	Х
56-23-5	Carbon tetrachloride	< 0.2	U	μg/l	1.0	0.2	1		"		"		Х
108-90-7	Chlorobenzene	< 0.2	U	μg/l	1.0	0.2	1		"		"		Х
75-00-3	Chloroethane	< 0.4	U	μg/l	2.0	0.4	1		"		"	"	Х
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1		"		"	"	Х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1		"		"		Х
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1		"		"		Х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"		"		Х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"		"	"	Х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"		"		Х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"		"		Х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		Х
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	μg/l	1.0	0.2	1		"		"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"		"		Х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1		"		"		Х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1		"		"		Х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1		"		"		Х
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"		"	"	Х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1		"	"	"		Х
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"		"		Х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1		"		"	"	Х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		Х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1		"				Х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	Х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	Х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"		"	"	Х
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"		"	"	Х
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	Х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	Х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	Х
79-01-6	Trichloroethene	< 0.4	U	µg/l	1.0	0.4	1	п	"	"	"	"	х

Sample Id Trip Blan SC06702-					<u>Project #</u> )606		<u>Matrix</u> Aqueous		ection Date -Apr-15 00			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	30-Apr-15	01-May-1 5	GMA	1508341	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"		"	"	Х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	89			70-13	0 %					"		
2037-26-5	Toluene-d8	91			70-13	0 %			"		"		
17060-07-0	1,2-Dichloroethane-d4	107			70-13	0 %			"		"		
1868-53-7	Dibromofluoromethane	91			70-13	0 %			"		"		
	rganic Compounds by method SW846 5030 \	Nater MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	'n	01-May-1 5	02-May-1 5	"	1508455	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	0 %			"		"		
2037-26-5	Toluene-d8	100			70-13	0 %			"		"	"	
17060-07-0	1,2-Dichloroethane-d4	100			70-13	0 %			"		"		
1868-53-7	Dibromofluoromethane	104			70-13	0 %			"		"	"	
	y Identified Compounds by method SW846 5030												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	30-Apr-15	01-May-1 5	GMA	1508341	

Sample Id SB-08A-9 SC06702				<u>Client P</u> 2150	•		<u>Matrix</u> Soil		ection Date Apr-15 10			<u>eceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
Semivolat	ile Organic Compounds by (	GCMS											
	tile Organic Compounds												
83-32-9	by method SW846 3545A Acenaphthene	< 16.1	U	µg/kg dry	69.0	16.1	1	SW846 8270D	29-Apr-15	02-May-1	MSL	1508313	х
										5	"		
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						Х
56-55-3	Benzo (a) anthracene	< 14.3	U	µg/kg dry	69.0	14.3	1						Х
50-32-8	Benzo (a) pyrene	< 14.4	U	µg/kg dry	69.0	14.4	1						Х
205-99-2	Benzo (b) fluoranthene	< 15.7	U	µg/kg dry	69.0	15.7	1		"				Х
191-24-2	Benzo (g,h,i) perylene	< 14.9	U	µg/kg dry	69.0	14.9	1		"				Х
207-08-9	Benzo (k) fluoranthene	< 15.7	U	µg/kg dry	69.0	15.7	1	•	"	"	"	"	Х
111-91-1	Bis(2-chloroethoxy)metha ne	< 62.3	U	µg/kg dry	341	62.3	1	"	"	"	"	"	Х
111-44-4	Bis(2-chloroethyl)ether	< 62.1	U	µg/kg dry	173	62.1	1		"	"			х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 62.0	U	µg/kg dry	173	62.0	1	"	"	"	"	"	х
117-81-7	Bis(2-ethylhexyl)phthalate	< 85.2	U	µg/kg dry	173	85.2	1	"	"		"		х
101-55-3	4-Bromophenyl phenyl	< 69.0	U	µg/kg dry	341	69.0	1	"	"		"	"	х
85-68-7	ether Butyl benzyl phthalate	< 75.6	U	µg/kg dry	341	75.6	1				"		х
86-74-8	Carbazole	< 87.7	U		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	< 70.8	U	µg/kg dry	173	70.8	1						x
91-58-7	2-Chloronaphthalene	< 60.0	U	µg/kg dry µg/kg dry	341	60.0	1						x
95-57-8	2-Chlorophenol	< 61.0	U		173	61.0	1						x
7005-72-3	4-Chlorophenyl phenyl	< 64.1	U	µg/kg dry µg/kg dry	341	64.1	1	"	"		"	"	x
218-01-9	ether Chrysene	< 16.9	U	µg/kg dry	69.0	16.9	1						х
53-70-3	Dibenzo (a,h) anthracene	< 12.7	U		69.0	12.7							x
132-64-9		< 12.7	U	µg/kg dry	173	12.7	1 1						x
95-50-1	Dibenzofuran	< 57.4	U	µg/kg dry	341	57.4	1				"		x
541-73-1	1,2-Dichlorobenzene	< 60.6	U	µg/kg dry	341	60.6	1						x
106-46-7	1,3-Dichlorobenzene	< 56.5	U	µg/kg dry									x
91-94-1	1,4-Dichlorobenzene		U	µg/kg dry	341	56.5	1						x
120-83-2	3,3'-Dichlorobenzidine	< 69.3	U	µg/kg dry	341	69.3	1						x
84-66-2	2,4-Dichlorophenol	< 58.7	U	µg/kg dry	173	58.7	1						x
	Diethyl phthalate	< 71.2		µg/kg dry	341	71.2	1						
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						Х
86-73-7	Fluorene	< 16.5	U	µg/kg dry	69.0	16.5	1			"	"		Х

Sample Id SB-08A-9 SC06702-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date Apr-15 10			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
<u>Semivola</u>	ile Organic Compounds by ( tile Organic Compounds by method SW846 3545A	GCMS											
118-74-1	Hexachlorobenzene	< 75.4	U	µg/kg dry	173	75.4	1	SW846 8270D	29-Apr-15	02-May-1 5	MSL	1508313	Х
87-68-3	Hexachlorobutadiene	< 54.9	U	µg/kg dry	173	54.9	1	"	"	"	"	"	х
77-47-4	Hexachlorocyclopentadien e	< 62.9	U	µg/kg dry	173	62.9	1	u	"	"	"	"	Х
67-72-1	Hexachloroethane	< 66.3	U	µg/kg dry	173	66.3	1	"	"		"	"	Х
193-39-5	Indeno (1,2,3-cd) pyrene	< 14.1	U	µg/kg dry	69.0	14.1	1		"	"	"	"	Х
78-59-1	Isophorone	< 60.3	U	µg/kg dry	173	60.3	1		"		"	"	Х
91-57-6	2-Methylnaphthalene	< 14.2	U	µg/kg dry	69.0	14.2	1		"	"	"	"	Х
95-48-7	2-Methylphenol	< 61.2	U	µg/kg dry	341	61.2	1		"		"	"	Х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 76.8	U	µg/kg dry	341	76.8	1	п	"	"	"	"	Х
91-20-3	Naphthalene	< 14.1	U	µg/kg dry	69.0	14.1	1		"	"	"	"	Х
88-74-4	2-Nitroaniline	< 68.4	U	µg/kg dry	341	68.4	1		"	"	"	"	Х
99-09-2	3-Nitroaniline	< 81.6	U	µg/kg dry	341	81.6	1		"	"	"		Х
100-01-6	4-Nitroaniline	< 98.7	U	µg/kg dry	173	98.7	1		"	"	"	"	Х
98-95-3	Nitrobenzene	< 67.0	U	µg/kg dry	173	67.0	1		"	"	"	"	Х
88-75-5	2-Nitrophenol	< 57.2	U	µg/kg dry	173	57.2	1		"	"	"		Х
100-02-7	4-Nitrophenol	< 92.2	U	µg/kg dry	1360	92.2	1		"	"	"	"	Х
621-64-7	N-Nitrosodi-n-propylamine	< 73.5	U	µg/kg dry	173	73.5	1		"	"	"		Х
86-30-6	N-Nitrosodiphenylamine	< 80.3	U	µg/kg dry	341	80.3	1		"			"	Х
87-86-5	Pentachlorophenol	< 81.2	U	µg/kg dry	341	81.2	1		"		"	"	Х
85-01-8	Phenanthrene	< 16.8	U	µg/kg dry	69.0	16.8	1		"	"	"		Х
108-95-2	Phenol	< 62.1	U	µg/kg dry	341	62.1	1		"		"	"	Х
129-00-0	Pyrene	< 14.7	U	µg/kg dry	69.0	14.7	1		"		"	"	Х
120-82-1	1,2,4-Trichlorobenzene	< 54.3	U	µg/kg dry	341	54.3	1		"	"	"		Х
95-95-4	2,4,5-Trichlorophenol	< 70.6	U	µg/kg dry	341	70.6	1		"	"	"	"	Х
Surrogate	recoveries:												
321-60-8	2-Fluorobiphenyl	80			30-13	0 %			"		"		
367-12-4	2-Fluorophenol	91			30-13	0%			"		"		
4165-60-0	Nitrobenzene-d5	95			30-13	0 %			"		"		
4165-62-2	Phenol-d5	90			30-13	0 %		"	"		"	"	
1718-51-0	Terphenyl-dl4	105			30-13	0 %		"	"		"	"	
118-79-6	2,4,6-Tribromophenol	73			30-13	0%		"	"		"	"	
	y Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	

Sample Id SB-09-2-3 SC06702-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date Apr-15 10			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS											
	tile Organic Compounds 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-1 5	MSL	1508313	х
208-96-8	Acenaphthylene	< 76.6	U, D	µg/kg dry	361	76.6	5	"	"		"	"	х
120-12-7	Anthracene	< 82.6	U, D	µg/kg dry	361	82.6	5		"		"	"	Х
56-55-3	Benzo (a) anthracene	< 74.8	U, D	µg/kg dry	361	74.8	5		"		"		Х
50-32-8	Benzo (a) pyrene	< 75.3	U, D	µg/kg dry	361	75.3	5		"	"	"	"	Х
205-99-2	Benzo (b) fluoranthene	< 82.3	U, D	µg/kg dry	361	82.3	5		"		"		х
191-24-2	Benzo (g,h,i) perylene	< 78.2	U, D	µg/kg dry	361	78.2	5		"		"		х
207-08-9	Benzo (k) fluoranthene	< 82.3	U, D	µg/kg dry	361	82.3	5		"		"		х
111-91-1	Bis(2-chloroethoxy)metha ne	< 326	U, D	µg/kg dry	1790	326	5	"	"	"	"	"	х
111-44-4	Bis(2-chloroethyl)ether	< 325	U, D	µg/kg dry	904	325	5		"		"		х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 324	U, D	µg/kg dry	904	324	5	"	"	"	"	"	х
117-81-7	Bis(2-ethylhexyl)phthalate	< 446	U, D	µg/kg dry	904	446	5		"	"	"	"	х
101-55-3	4-Bromophenyl phenyl ether	< 361	U, D	µg/kg dry	1790	361	5	"	"	"	"	"	х
85-68-7	Butyl benzyl phthalate	< 396	U, D	µg/kg dry	1790	396	5		"		"		Х
86-74-8	Carbazole	< 459	U, D	µg/kg dry	904	459	5		"		"		х
59-50-7	4-Chloro-3-methylphenol	< 371	U, D	µg/kg dry	1790	371	5		"		"		х
106-47-8	4-Chloroaniline	< 369	U, D	µg/kg dry	904	369	5		"		"		х
91-58-7	2-Chloronaphthalene	< 314	U, D	µg/kg dry	1790	314	5		"		"		х
95-57-8	2-Chlorophenol	< 320	U, D	µg/kg dry	904	320	5		"		"		х
7005-72-3	4-Chlorophenyl phenyl ether	< 336	U, D	µg/kg dry	1790	336	5	n	"		"	"	х
218-01-9	Chrysene	< 88.3	U, D	µg/kg dry	361	88.3	5		"		"		х
53-70-3	Dibenzo (a,h) anthracene	< 66.3	U, D	µg/kg dry	361	66.3	5		"		"		х
132-64-9	Dibenzofuran	< 66.3	U, D	µg/kg dry	904	66.3	5		"		"		Х
95-50-1	1,2-Dichlorobenzene	< 300	U, D	µg/kg dry	1790	300	5		"		"		х
541-73-1	1,3-Dichlorobenzene	< 317	U, D	µg/kg dry	1790	317	5		"		"	"	х
106-46-7	1,4-Dichlorobenzene	< 296	U, D	µg/kg dry	1790	296	5		"		"		Х
91-94-1	3,3'-Dichlorobenzidine	< 363	U, D	µg/kg dry	1790	363	5		"		"		Х
120-83-2	2,4-Dichlorophenol	< 308	U, D	µg/kg dry	904	308	5		"		"	"	х
84-66-2	Diethyl phthalate	< 373	U, D	µg/kg dry	1790	373	5		"		"		Х
131-11-3	Dimethyl phthalate	< 352	U, D	µg/kg dry	1790	352	5		"		"		х
105-67-9	2,4-Dimethylphenol	< 306	U, D	µg/kg dry	1790	306	5		"		"	"	х
84-74-2	Di-n-butyl phthalate	< 401	U, D	µg/kg dry	1790	401	5		"		"		х
534-52-1	4,6-Dinitro-2-methylphenol	< 475	U, D	µg/kg dry	1790	475	5	"	"		"	"	х
51-28-5	2,4-Dinitrophenol	< 471	U, D	µg/kg dry	1790	471	5	"	"		"	"	х
121-14-2	2,4-Dinitrotoluene	< 372	U, D	µg/kg dry	904	372	5	"	"		"	"	х
606-20-2	2,6-Dinitrotoluene	< 351	U, D	µg/kg dry	904	351	5	"	"		"	"	х
117-84-0	Di-n-octyl phthalate	< 386	U, D	µg/kg dry	1790	386	5		"		"	"	х
206-44-0	Fluoranthene	95.7	J, D	µg/kg dry	361	90.7	5	"	"		"	"	х
86-73-7	Fluorene	< 86.5	U, D	µg/kg dry	361	86.5	5	"	"		"	"	х
118-74-1	Hexachlorobenzene	< 395	U, D	µg/kg dry	904	395	5		"		"	"	х
87-68-3	Hexachlorobutadiene	< 288	U, D	µg/kg dry	904	288	5	n	"		"	"	х

Sample Id SB-09-2-3 SC06702-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 10			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
<u>Semivolat</u>	tile Organic Compounds by method SW846 3545A		R01										
77-47-4	Hexachlorocyclopentadien e	< 330	U, D	µg/kg dry	904	330	5	SW846 8270D	29-Apr-15	05-May-1 5	MSL	1508313	х
67-72-1	Hexachloroethane	< 347	U, D	µg/kg dry	904	347	5	"	"		"	"	х
193-39-5	Indeno (1,2,3-cd) pyrene	< 73.9	U, D	µg/kg dry	361	73.9	5		"		"		х
78-59-1	Isophorone	< 316	U, D	µg/kg dry	904	316	5		"		"		х
91-57-6	2-Methylnaphthalene	< 74.5	U, D	µg/kg dry	361	74.5	5		"		"		х
95-48-7	2-Methylphenol	< 321	U, D	µg/kg dry	1790	321	5		"		"		х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 402	U, D	µg/kg dry	1790	402	5	"	"	"	"	"	х
91-20-3	Naphthalene	< 73.6	U, D	µg/kg dry	361	73.6	5		"		"	"	Х
88-74-4	2-Nitroaniline	< 358	U, D	µg/kg dry	1790	358	5		"		"		Х
99-09-2	3-Nitroaniline	< 428	U, D	µg/kg dry	1790	428	5		"	"	"	"	Х
100-01-6	4-Nitroaniline	< 517	U, D	µg/kg dry	904	517	5		"	"	"	"	Х
98-95-3	Nitrobenzene	< 351	U, D	µg/kg dry	904	351	5		"	"	"	"	Х
88-75-5	2-Nitrophenol	< 299	U, D	µg/kg dry	904	299	5		"		"		х
100-02-7	4-Nitrophenol	< 483	U, D	µg/kg dry	7150	483	5		"		"		х
621-64-7	N-Nitrosodi-n-propylamine	< 385	U, D	µg/kg dry	904	385	5		"		"		х
86-30-6	N-Nitrosodiphenylamine	< 420	U, D	µg/kg dry	1790	420	5		"		"		х
87-86-5	Pentachlorophenol	< 425	U, D	µg/kg dry	1790	425	5		"		"		х
85-01-8	Phenanthrene	143	J, D	µg/kg dry	361	88.1	5		"		"		х
108-95-2	Phenol	< 325	U, D	µg/kg dry	1790	325	5		"		"	"	х
129-00-0	Pyrene	< 76.9	U, D	µg/kg dry	361	76.9	5		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 284	U, D	µg/kg dry	1790	284	5		"		"		х
95-95-4	2,4,5-Trichlorophenol	< 370	U, D	µg/kg dry	1790	370	5	"		"	"	"	Х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	80			30-13	80 %			"		"		
367-12-4	2-Fluorophenol	91			30-13	80 %			"		"		
4165-60-0	Nitrobenzene-d5	94			30-13	80 %			"	"	"	"	
4165-62-2	Phenol-d5	93			30-13	80 %			"		"		
1718-51-0	Terphenyl-dl4	81			30-13	80 %			"	"	"	"	
118-79-6	2,4,6-Tribromophenol	69			30-13	80 %			"		"	"	
	y Identified Compounds by method SW846 3545A		R01										
	Tentatively Identified Compounds	None found		µg/kg dry			5	SW846 8270D TICS	"	"	MSL	"	
Total Meta	als 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-1 5	04-May-1 5	TBC	1508397	Х
7440-38-2	Arsenic	7.23		mg/kg dry	1.55	0.251	1	"	"		"	"	х
7440-39-3	Barium	139		mg/kg dry	1.04	0.0616	1	"	"		"	"	х
7440-43-9	Cadmium	0.0617	J	mg/kg dry	0.518	0.0166	1	"	"		"	"	х
7440-47-3	Chromium	11.7		mg/kg dry	1.04	0.0990	1	"	"		"	"	х
7439-97-6	Mercury	0.0484		mg/kg dry	0.0307	0.0020	1	SW846 7471B	"	04-May-1 5	YR	1508398	х
7439-92-1	Lead	31.1		mg/kg dry	1.55	0.286	1	SW846 6010C	"	04-May-1 5	TBC	1508397	Х
7782-49-2	Selenium	< 0.389	U	mg/kg dry	1.55	0.389	1	"	"	"	"	"	х

<u>Sample I</u> SB-09-2- SC06702				<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 10			<u>ceived</u> 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-1 5	05-May-1 5	RLT	1508657	Х

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R01           Prepared by method SW846 35454           83-32-9         Acenaphthene         < 86.8         U.D         µg/kg dry         372         86.8         5         SW846 8270D         29.Apr.15         05-May.1         MSL           208-96.8         Acenaphthylene         < 79.0         U.D         µg/kg dry         372         79.0         5         ·         ·         5         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10	Batch Cer	Analyst	Analyzed	Prepared	Method Ref.	Dilution	MDL	*RDL	Units	Flag	Result	Analyte(s)	CAS No.
Description         Display Comparison         Display Comparison <thdisplay comparison<="" th="">         Display Compari</thdisplay>											GCMS	tile Organic Compounds by C	Semivolati
83-32-9         Acenaphthene         < 86.8         U. D         µg/kg dry         372         86.8         5         SW846 82700         29-Apr-15         05-May-1         MSL           208-96-8         Acenaphthylene         < 79.0										R01			
2008-96-8Acce aphthylene< 79.0U, D $\mu g/kg dry$ 37279.05Image: Constraint of the second of the se												-	
120-12-7       Anthracene       < 85.2	1508313 X	MSL	-	29-Apr-15	SW846 8270D	5	86.8	372	µg/kg dry	U, D	< 86.8	Acenaphthene	83-32-9
12.1.1.1Antimatelie $< 50.2$ $0.0$ $\mu g/k$ dry $512$ $63.2$ $5$ 56-53Benzo (a) anthracene $< 77.1$ $U, D$ $\mu g/k$ dry $372$ $77.1$ $5$ """""50-32-8Benzo (a) pyrene $< 77.6$ $U, D$ $\mu g/k$ dry $372$ $77.6$ $5$ """""205-99-2Benzo (b) fluoranthene $< 84.9$ $U, D$ $\mu g/k$ dry $372$ $84.9$ $5$ """""191-24-2Benzo (k) fluoranthene $< 84.9$ $U, D$ $\mu g/k$ dry $372$ $84.9$ $5$ """""207-08-9Benzo (k) fluoranthene $< 84.9$ $U, D$ $\mu g/k$ dry $372$ $84.9$ $5$ """""207-08-9Benzo (k) fluoranthene $< 84.9$ $U, D$ $\mu g/k$ dry $372$ $84.9$ $5$ """""207-08-9Benzo (k) fluoranthene $< 84.9$ $U, D$ $\mu g/k$ dry $372$ $84.9$ $5$ """""207-08-9Benzo (k) fluoranthene $< 335$ $U, D$ $\mu g/k$ dry $372$ $84.9$ $5$ """""207-08-9Benzo (k) fluoranthene $< 335$ $U, D$ $\mu g/k$ dry $932$ $335$ $5$ """""207-08-9Benzo (k) fluoranthene $< 335$ $U, D$ $\mu g/k$ dry $932$ </td <td>" X</td> <td>"</td> <td>"</td> <td></td> <td>"</td> <td>5</td> <td>79.0</td> <td>372</td> <td>µg/kg dry</td> <td>U, D</td> <td>&lt; 79.0</td> <td>Acenaphthylene</td> <td>208-96-8</td>	" X	"	"		"	5	79.0	372	µg/kg dry	U, D	< 79.0	Acenaphthylene	208-96-8
50:32-8       Benzo (a) pyrene       <77.6	" X		"		"	5	85.2	372	µg/kg dry	U, D	< 85.2	Anthracene	120-12-7
205.243       Benzo (a) pyrene       < 77.8	" X		"		"	5	77.1	372	µg/kg dry	U, D	< 77.1	Benzo (a) anthracene	56-55-3
191-24-2       Benzo (g,h,i) perylene       < 80.7	" X		"		"	5	77.6	372	µg/kg dry	U, D	< 77.6	Benzo (a) pyrene	50-32-8
131242       benzo (k) fluoranthene       < 80.7	" X		"	"	"	5	84.9	372	µg/kg dry	U, D	< 84.9	Benzo (b) fluoranthene	205-99-2
111-91-1       Bis(2-chloroethoxy)metha ne       < 336	" X	"	"	"	"	5	80.7	372	µg/kg dry	U, D	< 80.7	Benzo (g,h,i) perylene	191-24-2
International ne       Bis(2-chlorotethyl)ethal       < 336       0, D       μg/kg dry       1340       336       5         111-44-4       Bis(2-chlorotethyl)ethar       < 335	" X		"	"	"	5	84.9	372	µg/kg dry	U, D	< 84.9	Benzo (k) fluoranthene	207-08-9
114444       Bis(2-chloroberly)jentel       < 335       0, D       µg/kg dry       932       335       5         108-60-1       Bis(2-chloroisopropyl)ethe r       < 335	" X	"	"	"	"	5	336	1840	µg/kg dry	U, D	< 336		111-91-1
117-81-7       Bis(2-ethylhexyl)phthalate       < 460	" X		"	"	"	5	335	932	µg/kg dry	U, D	< 335	Bis(2-chloroethyl)ether	111-44-4
117-81-7       Bis(2-ethylhexyl)phthalate       < 460       U, D       µg/kg dry       932       460       5       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "	" X	"	"		"	5	335	932	µg/kg dry	U, D	< 335		108-60-1
101-03-03       4-Entomorphientyl prientyl       < 372	" X	"			"	5	460	932	µg/kg dry	U, D	< 460		117-81-7
86-74-8       Carbazole       < 474	" X	"	"	"		5	372	1840	µg/kg dry	U, D	< 372		101-55-3
59-50-7       4-Chloro-3-methylphenol       < 382	" X				"	5	408	1840	µg/kg dry	U, D	< 408	Butyl benzyl phthalate	85-68-7
33-30-7       4-Chloro-3-methylphenol       < 382	" X				"	5	474	932	µg/kg dry	U, D	< 474	Carbazole	86-74-8
91-58-7     2-Chloronaphthalene     < 324     U, D     μg/kg dry     1840     324     5     "     "     "	" X		"		"	5	382	1840	µg/kg dry	U, D	< 382	4-Chloro-3-methylphenol	59-50-7
	" X				"	5	380	932	µg/kg dry	U, D	< 380	4-Chloroaniline	106-47-8
	" X		"		"	5	324	1840	µg/kg dry	U, D	< 324	2-Chloronaphthalene	91-58-7
95-57-8 2-Chlorophenol < 330 U, D μg/kg dry 932 330 5 " " " " "	" X		"	"	"	5	330	932	µg/kg dry	U, D	< 330	2-Chlorophenol	95-57-8
7005-72-3 4-Chlorophenyl phenyl < 346 U, D μg/kg dry 1840 346 5 " " " " " ether	" X	"	"	"	"	5	346	1840	µg/kg dry	U, D	< 346		7005-72-3
218-01-9 Chrysene < 91.0 U, D μg/kg dry 372 91.0 5 " " " " "	" X				"	5	91.0	372	µg/kg dry	U, D	< 91.0		218-01-9
⁵³⁻⁷⁰⁻³ Dibenzo (a,h) anthracene < 68.4 U, D μg/kg dry 372 68.4 5 " " " "	" X				"	5	68.4	372	µg/kg dry	U, D	< 68.4	Dibenzo (a,h) anthracene	53-70-3
132-64-9 Dibenzofuran < 68.4 U, D μg/kg dry 932 68.4 5 " " " " "	" X		"		"	5	68.4	932		U, D	< 68.4	Dibenzofuran	132-64-9
95-50-1 1,2-Dichlorobenzene < 310 U, D μg/kg dry 1840 310 5 " " " " "	" X				"	5	310	1840	µg/kg dry	U, D	< 310	1,2-Dichlorobenzene	95-50-1
541-73-1 1,3-Dichlorobenzene < 327 U, D μg/kg dry 1840 327 5 " " " " "	" X		"		"	5	327	1840	µg/kg dry	U, D	< 327	1,3-Dichlorobenzene	541-73-1
106-46-7 1,4-Dichlorobenzene < 305 U, D μg/kg dry 1840 305 5 " " " " "	" X				"	5	305	1840	µg/kg dry	U, D	< 305	1,4-Dichlorobenzene	106-46-7
91-94-1 3,3´-Dichlorobenzidine < 374 U, D μg/kg dry 1840 374 5 " " " "	" X				"	5	374	1840	µg/kg dry	U, D	< 374	3,3'-Dichlorobenzidine	91-94-1
120-83-2 2,4-Dichlorophenol < 317 U, D μg/kg dry 932 317 5 " " " "	" X				"	5	317	932	µg/kg dry	U, D	< 317	2,4-Dichlorophenol	120-83-2
⁸⁴⁻⁶⁶⁻² Diethyl phthalate < 385 U, D μg/kg dry 1840 385 5 " " " " "	" X				"	5	385	1840	µg/kg dry	U, D	< 385	Diethyl phthalate	84-66-2
131-11-3 Dimethyl phthalate < 363 U, D μg/kg dry 1840 363 5 " " " " "	" X			"		5	363	1840	µg/kg dry	U, D	< 363	Dimethyl phthalate	131-11-3
105-67-9 2,4-Dimethylphenol < 316 U, D μg/kg dry 1840 316 5 " " " " "	" X		"		"	5	316	1840	µg/kg dry	U, D	< 316	2,4-Dimethylphenol	105-67-9
84-74-2 Di-n-butyl phthalate < 414 U, D μg/kg dry 1840 414 5 " " " " "	" X		"		"	5	414	1840	µg/kg dry	U, D	< 414	Di-n-butyl phthalate	84-74-2
534-52-1 4,6-Dinitro-2-methylphenol < 490 U, D μg/kg dry 1840 490 5 " " " " "	" X	"	"	"	"	5	490	1840	µg/kg dry	U, D	< 490	4,6-Dinitro-2-methylphenol	534-52-1
51-28-5 2,4-Dinitrophenol < 485 U, D μg/kg dry 1840 485 5 " " " " "	" X		"	"	"	5	485	1840	µg/kg dry	U, D	< 485	2,4-Dinitrophenol	51-28-5
121-14-2 2,4-Dinitrotoluene < 384 U, D μg/kg dry 932 384 5 " " " " "	" X	"	"		"	5	384	932	µg/kg dry	U, D	< 384	2,4-Dinitrotoluene	121-14-2
606-20-2 2,6-Dinitrotoluene < 362 U, D μg/kg dry 932 362 5 " " " " "	" X	"	"		"	5	362	932	µg/kg dry	U, D	< 362	2,6-Dinitrotoluene	606-20-2
117-84-0 Di-n-octyl phthalate < 398 U, D μg/kg dry 1840 398 5 " " " " "	" X	"	"		"	5	398	1840	µg/kg dry	U, D	< 398	Di-n-octyl phthalate	117-84-0
206-44-0 Fluoranthene < 93.5 U, D μg/kg dry 372 93.5 5 " " " " "	" X	"	"		"	5	93.5	372	µg/kg dry	U, D	< 93.5	Fluoranthene	206-44-0
86-73-7 Fluorene < 89.2 U, D μg/kg dry 372 89.2 5 " " " "	" X	"	"		"	5	89.2	372	µg/kg dry	U, D	< 89.2	Fluorene	86-73-7
¹¹⁸⁻⁷⁴⁻¹ Hexachlorobenzene < 407 U, D μg/kg dry 932 407 5 " " " " "	" X	"	"		"	5	407	932	µg/kg dry	U, D	< 407	Hexachlorobenzene	118-74-1
87-68-3 Hexachlorobutadiene < 297 U, D μg/kg dry 932 297 5 " " " " "				"	"	5	207	022	ua/ka day		< 207	Hoxaeblerebutadiona	87 68 3

Sample Id Blind Du SC06702-	-			<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 00			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
	tile Organic Compounds by method SW846 3545A		R01										
77-47-4	Hexachlorocyclopentadien e	< 340	U, D	µg/kg dry	932	340	5	SW846 8270D	29-Apr-15	05-May-1 5	MSL	1508313	х
67-72-1	Hexachloroethane	< 358	U, D	µg/kg dry	932	358	5	•	"	"	"	"	Х
193-39-5	Indeno (1,2,3-cd) pyrene	< 76.2	U, D	µg/kg dry	372	76.2	5		"	"	"		Х
78-59-1	Isophorone	< 325	U, D	µg/kg dry	932	325	5		"	"	"		Х
91-57-6	2-Methylnaphthalene	< 76.8	U, D	µg/kg dry	372	76.8	5		"	"	"	"	Х
95-48-7	2-Methylphenol	< 331	U, D	µg/kg dry	1840	331	5		"	"	"	"	Х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 415	U, D	µg/kg dry	1840	415	5	u	"	"	"		х
91-20-3	Naphthalene	< 75.9	U, D	µg/kg dry	372	75.9	5		"		"		Х
88-74-4	2-Nitroaniline	< 369	U, D	µg/kg dry	1840	369	5	"	"		"	"	Х
99-09-2	3-Nitroaniline	< 441	U, D	µg/kg dry	1840	441	5	"	"		"	"	Х
100-01-6	4-Nitroaniline	< 533	U, D	µg/kg dry	932	533	5	"	"		"	"	Х
98-95-3	Nitrobenzene	< 362	U, D	µg/kg dry	932	362	5		"		"		Х
88-75-5	2-Nitrophenol	< 309	U, D	µg/kg dry	932	309	5		"		"		Х
100-02-7	4-Nitrophenol	< 498	U, D	µg/kg dry	7370	498	5	"	"		"	"	Х
621-64-7	N-Nitrosodi-n-propylamine	< 397	U, D	µg/kg dry	932	397	5		"		"		Х
86-30-6	N-Nitrosodiphenylamine	< 433	U, D	µg/kg dry	1840	433	5		"		"		Х
87-86-5	Pentachlorophenol	< 439	U, D	µg/kg dry	1840	439	5		"		"		Х
85-01-8	Phenanthrene	101	J, D	µg/kg dry	372	90.9	5		"		"		Х
108-95-2	Phenol	< 336	U, D	µg/kg dry	1840	336	5	"	"		"	"	Х
129-00-0	Pyrene	< 79.3	U, D	µg/kg dry	372	79.3	5		"		"		Х
120-82-1	1,2,4-Trichlorobenzene	< 293	U, D	µg/kg dry	1840	293	5		"		"		Х
95-95-4	2,4,5-Trichlorophenol	< 381	U, D	µg/kg dry	1840	381	5	"	"	"	"	"	х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	62			30-13	0 %			"		"		
367-12-4	2-Fluorophenol	53			30-13	0 %			"		"		
4165-60-0	Nitrobenzene-d5	66			30-13	0 %			"		"		
4165-62-2	Phenol-d5	63			30-13	0 %			"		"		
1718-51-0	Terphenyl-dl4	68			30-13	0 %			"		"		
118-79-6 Tentativel	2,4,6-Tribromophenol y Identified Compounds	45	R01		30-13	0 %		n	"	"	"	"	
	by method SW846 3545A Tentatively Identified	None found		µg/kg dry			5	SW846 8270D	"		MSL		
	Compounds			10.10			-	TICS					
Total Meta	als by EPA 6000/7000 Series I	Methods											
7440-22-4	Silver	< 0.120	U	mg/kg dry	1.64	0.120	1	SW846 6010C	04-May-1 5	04-May-1 5	TBC	1508397	Х
7440-38-2	Arsenic	5.25		mg/kg dry	1.64	0.265	1	"	"		"	"	х
7440-39-3	Barium	117		mg/kg dry	1.09	0.0649	1	"	"	"	"	"	х
7440-43-9	Cadmium	0.0328	J	mg/kg dry	0.547	0.0175	1	"	"		"	"	х
7440-47-3	Chromium	11.0		mg/kg dry	1.09	0.104	1	"	"	"	"	"	х
7439-97-6	Mercury	0.0581		mg/kg dry	0.0316	0.0021	1	SW846 7471B	"	04-May-1 5	YR	1508398	Х
7439-92-1	Lead	22.7		mg/kg dry	1.64	0.302	1	SW846 6010C	"	04-May-1 5	TBC	1508397	х
7782-49-2	Selenium	< 0.411	U	mg/kg dry	1.64	0.411	1	"	u	"	"	"	х

	dentification plicate 2 -18			<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 00			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
General C	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-1 5	05-May-1 5	RLT	1508657	Х

Sample Id SB-09-8-1 SC06702-				<u>Client Pr</u> 2150	•		<u>Matrix</u> Soil		ection Date Apr-15 10			<u>eceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508307	
	rganic Compounds by SW		-1)			Init	ial weight:	10.02 a					
67-64-1	by method SW846 5035A Acetone	< 21.1	<u></u> U	ua/ka day	31.6	21.1	<u>iai weight.</u> 1	SW846 8260C	01-May-1	01-May-1	SJB	1508452	х
07-04-1	Acelone	S 21.1	0	µg/kg dry	31.0	21.1	I	SVV040 020UC	5	5 5	SJD	1000402	^
71-43-2	Benzene	< 0.6	U	µg/kg dry	3.2	0.6	1	"			"	"	х
75-27-4	Bromodichloromethane	< 2.1	U	µg/kg dry	3.2	2.1	1				"		х
75-25-2	Bromoform	< 3.0	U	µg/kg dry	3.2	3.0	1		"		"		х
74-83-9	Bromomethane	< 1.8	U	µg/kg dry	6.3	1.8	1		"		"		х
78-93-3	2-Butanone (MEK)	< 3.8	U	µg/kg dry	31.6	3.8	1		"		"		х
104-51-8	n-Butylbenzene	< 0.9	U	µg/kg dry	3.2	0.9	1	"	"		"	"	х
135-98-8	sec-Butylbenzene	< 2.5	U	µg/kg dry	3.2	2.5	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 2.1	U	µg/kg dry	3.2	2.1	1	"	"		"	"	х
75-15-0	Carbon disulfide	< 1.9	U	µg/kg dry	6.3	1.9	1		"	"	"	"	Х
56-23-5	Carbon tetrachloride	< 2.6	U	µg/kg dry	3.2	2.6	1		"	"	"	"	Х
108-90-7	Chlorobenzene	< 0.5	U	µg/kg dry	3.2	0.5	1				"		Х
75-00-3	Chloroethane	< 1.8	U	µg/kg dry	6.3	1.8	1		"	"	"	"	Х
67-66-3	Chloroform	< 1.0	U	µg/kg dry	3.2	1.0	1		"	"	"	"	Х
74-87-3	Chloromethane	< 1.3	U	µg/kg dry	6.3	1.3	1		"	"	"	"	Х
124-48-1	Dibromochloromethane	< 2.1	U	µg/kg dry	3.2	2.1	1		"	"	"	"	х
95-50-1	1,2-Dichlorobenzene	< 0.5	U	µg/kg dry	3.2	0.5	1				"		Х
541-73-1	1,3-Dichlorobenzene	< 0.6	U	µg/kg dry	3.2	0.6	1		"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 0.8	U	µg/kg dry	3.2	0.8	1				"		Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 1.1	U	µg/kg dry	6.3	1.1	1	"	"	"	"	"	х
75-34-3	1,1-Dichloroethane	< 2.0	U	µg/kg dry	3.2	2.0	1		"		"	"	Х
107-06-2	1,2-Dichloroethane	< 0.8	U	µg/kg dry	3.2	0.8	1		"		"	"	Х
75-35-4	1,1-Dichloroethene	< 2.4	U	µg/kg dry	3.2	2.4	1		"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 1.2	U	µg/kg dry	3.2	1.2	1		"		"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 1.7	U	µg/kg dry	3.2	1.7	1				"		х
78-87-5	1,2-Dichloropropane	< 1.7	U	µg/kg dry	3.2	1.7	1				"		х
10061-01-5	cis-1,3-Dichloropropene	< 1.9	U	µg/kg dry	3.2	1.9	1		"		"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 1.7	U	µg/kg dry	3.2	1.7	1		"	"	"		Х
100-41-4	Ethylbenzene	< 0.6	U	µg/kg dry	3.2	0.6	1		"		"	"	х
591-78-6	2-Hexanone (MBK)	< 3.5	U	µg/kg dry	31.6	3.5	1		"		"	"	х
98-82-8	Isopropylbenzene	< 0.6	U	µg/kg dry	3.2	0.6	1		"		"	"	х
99-87-6	4-Isopropyltoluene	< 3.0	U	µg/kg dry	3.2	3.0	1				"		х
1634-04-4	Methyl tert-butyl ether	< 1.2	U	µg/kg dry	3.2	1.2	1		"		"	"	Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 5.9	U	µg/kg dry	31.6	5.9	1	H	"	"	"	"	х
75-09-2	Methylene chloride	1.5	O01, J	µg/kg dry	6.3	0.9	1	"	"		"	"	х
91-20-3	Naphthalene	< 2.9	U	µg/kg dry	3.2	2.9	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 3.1	U	µg/kg dry	3.2	3.1	1	"	"	"	"	"	х
100-42-5	Styrene	< 0.5	U	µg/kg dry	3.2	0.5	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 2.7	U	µg/kg dry	3.2	2.7	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 1.2	U	µg/kg dry	3.2	1.2	1	"	"	"	"	"	х
108-88-3	Toluene	< 0.7	U	µg/kg dry	3.2	0.7	1	"	"	"	"	"	х

SB-09-8-1 SC06702-				<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 10			<u>eceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert
Volatile Or	ganic Compounds												
	rganic Compounds by SV by method SW846 5035/		vel)			Init	ial weight:	10 23 a					
71-55-6	1,1,1-Trichloroethane	< 0.8	U	µg/kg dry	3.2	0.8	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508452	х
79-00-5	1,1,2-Trichloroethane	< 2.3	U	µg/kg dry	3.2	2.3	1	"	"		"	"	х
79-01-6	Trichloroethene	< 0.8	U	µg/kg dry	3.2	0.8	1				"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.7	U	µg/kg dry	3.2	1.7	1	"	"	"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 0.8	U	µg/kg dry	3.2	0.8	1		"		"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/kg dry	3.2	0.9	1		"		"	"	Х
75-01-4	Vinyl chloride	< 1.1	U	µg/kg dry	3.2	1.1	1		"		"	"	Х
179601-23-1	m,p-Xylene	< 0.6	U	µg/kg dry	6.3	0.6	1		"		"		Х
95-47-6	o-Xylene	< 0.7	U	µg/kg dry	3.2	0.7	1	"	"		"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	0 %		"	"		"	"	
2037-26-5	Toluene-d8	110			70-13	0 %		"	"		"		
17060-07-0	1,2-Dichloroethane-d4	108			70-13	0 %			"		"		
1868-53-7	Dibromofluoromethane	113			70-13	0 %			"		"	"	
by SW846	is of Volatile Organic Cor <u>8260</u> by method SW846 5035/ Acetone		QCR evel) U, D	µg/kg dry	1090	<u>Init</u> 725	ial weight: 50	<u>2.64 g</u> SW846 8260C	04-May-1	05-May-1	SJB	1508542	x
				P33)					5	5			
71-43-2	Benzene	< 19.8	U, D	µg/kg dry	109	19.8	50		"	"	"	"	Х
75-27-4	Bromodichloromethane	< 72.4	U, D	µg/kg dry	109	72.4	50		"	"	"	"	Х
75-25-2	Bromoform	< 104	U, D	µg/kg dry	109	104	50		"	"	"	"	Х
74-83-9	Bromomethane	< 62.0	U, D	µg/kg dry	217	62.0	50		"	"	"	"	Х
78-93-3	2-Butanone (MEK)	< 130	U, D	µg/kg dry	1090	130	50		"		"	"	Х
104-51-8	n-Butylbenzene	< 31.1	U, D	µg/kg dry	109	31.1	50		"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 84.9	U, D	µg/kg dry	109	84.9	50		"	"	"	"	Х
98-06-6	tert-Butylbenzene	< 71.3	U, D	µg/kg dry	109	71.3	50		"		"	"	Х
75-15-0	Carbon disulfide	< 66.6	U, D	µg/kg dry	217	66.6	50		"	"	"	"	Х
56-23-5	Carbon tetrachloride	< 88.8	U, D	µg/kg dry	109	88.8	50		"			"	Х
108-90-7	Chlorobenzene	< 17.4	U, D	µg/kg dry	109	17.4	50		"		"	"	Х
75-00-3	Chloroethane	< 60.3	U, D	µg/kg dry	217	60.3	50						Х
67-66-3	Chloroform	< 36.0	U, D	µg/kg dry	109	36.0	50					"	Х
74-87-3	Chloromethane	< 44.8	U, D	µg/kg dry	217	44.8	50						Х
124-48-1	Dibromochloromethane	< 73.6	U, D	µg/kg dry	109	73.6	50						Х
95-50-1	1,2-Dichlorobenzene	< 18.9	U, D	µg/kg dry	109	18.9	50						Х
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	"	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 70.0	U, D	µg/kg dry	109	70.0	50	"	"		"	"	Х
107-06-2	1,2-Dichloroethane	< 26.4	U, D	µg/kg dry	109	26.4	50	"	"		"	"	Х
75-35-4	1,1-Dichloroethene	< 81.5	U, D	µg/kg dry	109	81.5	50	"	"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 40.0	U, D	µg/kg dry	109	40.0	50	"	"		"	"	х
156-60-5	trans-1,2-Dichloroethene	< 57.5	U, D	µg/kg dry	109	57.5	50						х

Sample Id SB-09-8-1 SC06702-				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 10			<u>ceived</u> Apr-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
Re-analys	is of Volatile Organic Com	pounds_	QCR										
by SW846 Prepared	<u>0 8260</u> by method SW846 5035A	Soil (high leve	1)			Init	ial weight:	2.64 q					
78-87-5	1,2-Dichloropropane	< 56.9	U, D	µg/kg dry	109	56.9	50	SW846 8260C	04-May-1 5	05-May-1 5	SJB	1508542	x
10061-01-5	cis-1,3-Dichloropropene	< 65.5	U, D	µg/kg dry	109	65.5	50	n	5	5	"	"	х
10061-02-6	trans-1,3-Dichloropropene	< 57.0	U, D	µg/kg dry	109	57.0	50	"			"		х
100-41-4	Ethylbenzene	< 19.1	U, D	µg/kg dry	109	19.1	50	"	"		"	"	х
591-78-6	2-Hexanone (MBK)	< 119	U, D	µg/kg dry	1090	119	50	"	"		"	"	х
98-82-8	Isopropylbenzene	< 20.6	U, D	µg/kg dry	109	20.6	50	"	"		"		х
99-87-6	4-Isopropyltoluene	< 102	U, D	µg/kg dry	109	102	50		"		"		х
1634-04-4	Methyl tert-butyl ether	< 41.9	U, D	µg/kg dry	109	41.9	50		"		"		х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 205	U, D	µg/kg dry	1090	205	50	"	"	"		"	х
75-09-2	Methylene chloride	52.1	001, J, D	µg/kg dry	217	31.7	50	"	"		"		х
91-20-3	Naphthalene	< 99.5	U, D	µg/kg dry	109	99.5	50	"	"		"		х
103-65-1	n-Propylbenzene	< 105	U, D	µg/kg dry	109	105	50	"			"		х
100-42-5	Styrene	< 18.8	U, D	µg/kg dry	109	18.8	50	"	"		"		х
79-34-5	1,1,2,2-Tetrachloroethane	< 91.9	U, D	µg/kg dry	109	91.9	50		"		"		х
127-18-4	Tetrachloroethene	< 41.4	U, D	µg/kg dry	109	41.4	50		"	"	"		х
108-88-3	Toluene	< 25.0	U, D	µg/kg dry	109	25.0	50		"	"	"		х
71-55-6	1,1,1-Trichloroethane	< 28.1	U, D	µg/kg dry	109	28.1	50		"	"	"		х
79-00-5	1,1,2-Trichloroethane	< 78.7	U, D	µg/kg dry	109	78.7	50	"	"		"		х
79-01-6	Trichloroethene	< 18.7	U, D	µg/kg dry	109	18.7	50	"			"		х
75-69-4	Trichlorofluoromethane (Freon 11)	< 58.5	U, D	µg/kg dry	109	58.5	50	"	"	"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 27.3	U, D	µg/kg dry	109	27.3	50	"			"		х
108-67-8	1,3,5-Trimethylbenzene	< 31.2	U, D	µg/kg dry	109	31.2	50		"		"		х
75-01-4	Vinyl chloride	< 39.5	U, D	µg/kg dry	109	39.5	50		"	"	"		х
179601-23-1	m,p-Xylene	< 21.4	U, D	µg/kg dry	217	21.4	50		"		"		х
95-47-6	o-Xylene	< 23.1	U, D	µg/kg dry	109	23.1	50	"	"		"	"	х
Surrogate r	ecoveries.												
460-00-4	4-Bromofluorobenzene	106			70-13	0%		"			"		
2037-26-5	Toluene-d8	100			70-13			"					
17060-07-0	1,2-Dichloroethane-d4	92			70-13				"		"	"	
1868-53-7	Dibromofluoromethane	94			70-13			"	"		"	"	
Volatile Or	ganic Compounds												
Prepared	by method SW846 5035A	Soil (low level	)			Init	ial weight:	<u>10.23 g</u>					
108-05-4	Vinyl acetate	< 6.6	U	µg/kg dry	31.6	6.6	1	SW846 8260C	01-May-1 5	01-May-1 5	SJB	1508451	
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	106			70-13			"	"		"	"	
2037-26-5	Toluene-d8	100			70-13	0 %		"	"		"	"	
17060-07-0	1,2-Dichloroethane-d4	116			70-13	0 %		"	"		"	"	
1868-53-7	Dibromofluoromethane	104			70-13	0 %		"			"	"	
	/ Identified Compounds by by method SW846 5035A		<u>)</u>			Init	ial weight:	<u>10.23 g</u>					
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8260C TICs	01-May-1 5	"	SJB	1508452	

Sample Identification SB-09-8-10.4' SC06702-19				<u>Project #</u> 0606		<u>Matrix</u> Soil		ection Date -Apr-15 10			<u>ceived</u> Apr-15	
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	i

# 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

<u>Laboratory Control Sample (LCS)</u>: 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.

<u>Matrix Spike</u>: 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.

<u>Method Blank</u>: 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.

<u>Method Detection Limit (MDL)</u>: 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.

<u>Reportable Detection Limit (RDL)</u>: 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.

<u>Surrogate</u>: 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.

<u>Continuing Calibration Verification</u>: 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

Revised Feb 2013			www.spectrum-analytical.com	rum-ana	w.spect	WW				. 01	. /	
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Revised Feb 2013

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All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes. Samples disposed of after 60 days unless otherwise instructed.	enue 02852	□ 646 Camp Avenue N Kingstown, RI 02852 (401) 732-3400		8405 Benjamin Road, Ste A Tampa, FL 33634 (813) 888-9507	□ 8405 Be Tam (81		<ul> <li>11 Almgren Drive</li> <li>Agawam, MA 01001</li> <li>(413) 789-9018</li> </ul>	⊳⊓	, INC.	SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY	52
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Report Date: 11-May-15 15:49



Final Report
Re-Issued Report
Revised Report

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

Project: Corning Hospital, NY Project #: 2150606

Laboratory ID	<u>Client Sample ID</u>	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:

Ricole 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.

Headquarters: 11 Almgren Drive & 830 Silver Street • Agawam, MA 01001 • 1-800-789-9115 • 413-789-9018 • Fax 413-789-4076 www.spectrum-analytical.com

## **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

#### 5

Spikes:	
1508923-MSD1	Source: SC06877-08
The spike recovery w recovery. Lead	vas outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS
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

 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:
 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

C06877-15	SB-19-1-3
This compound is a co	ommon laboratory contamin
Methylene chloride	
SC06877-20	SB-23-17-18
This compound is a co	ommon laboratory contamin
Methylene chloride	
SC06877-22	SB-22-19-20
This compound is a co	ommon laboratory contamin
Methylene chloride	
SC06877-24	SB-25-20-24
This compound is a co	ommon laboratory contamin
Methylene chloride	

#### **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 / 2150606Work Order:SC06877Sample(s) received on:5/2/2015

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

Were samples received within method-specific holding times?

Were custody seals present?	$\checkmark$
Were custody seals intact?	$\checkmark$
Were samples received at a temperature of $\leq 6^{\circ}$ C?	$\checkmark$
Were samples cooled on ice upon transfer to laboratory representative?	$\checkmark$
Were sample containers received intact?	$\checkmark$
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?	$\checkmark$
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?	$\checkmark$
Did sample container labels agree with Chain of Custody document?	

Yes	<u>No</u>	N/A
$\checkmark$		
	$\checkmark$	
$\mathbf{k}$		

Sample Identification SB-10-4-5 SC06877-01			<u>Client Project #</u> 2150606			<u>Matrix</u> Soil	Colle 28	<u>Re</u> 02-1					
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Met	als by EPA 6000/7000 Series	s Methods											
7440-22-4	Silver	< 1.60		mg/kg dry	1.60	0.117	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	Х
7440-38-2	Arsenic	7.02		mg/kg dry	1.60	0.258	1		"		"	"	х
7440-39-3	Barium	36.3		mg/kg dry	1.06	0.0632	1	"			"	"	х
7440-43-9	Cadmium	< 0.532		mg/kg dry	0.532	0.0170	1	"	"	"	"	"	х
7440-47-3	Chromium	5.98		mg/kg dry	1.06	0.102	1	"	"	"	"	"	х
7439-97-6	Mercury	0.0342		mg/kg dry	0.0316	0.0021	1	SW846 7471B	"	11-May-1 5	YR	1508924	х
7439-92-1	Lead	95.9		mg/kg dry	1.60	0.293	1	SW846 6010C	"	09-May-1 5	EDT	1508923	х
7782-49-2	Selenium	< 1.60		mg/kg dry	1.60	0.399	1	"	"	"	"		х
General C	hemistry Parameters												
	% Solids	93.1		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	
Sample Io	lentification												
SB-15-2-3				Client P			Matrix		ection Date			ceived	
SC06877				2150	606		Soil	29	Apr-15 11:20		Apr-15 11:20 02-M		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
	tile Organic Compounds												
Prepared 83-32-9	by method SW846 3545A Acenaphthene	< 81.7		µg/kg dry	81.7	19.0	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	x
	-			µg/kg dry µg/kg dry	81.7 81.7	19.0 17.3	1 1	SW846 8270D "	-		MSL "	1508622	x x
83-32-9	Acenaphthene	< 81.7							5	5			
83-32-9 208-96-8	Acenaphthene	< 81.7 < 81.7		µg/kg dry	81.7	17.3	1	n	5 "	5			х
83-32-9 208-96-8 120-12-7	Acenaphthene Acenaphthylene Anthracene	< 81.7 < 81.7 < 81.7		μg/kg dry μg/kg dry	81.7 81.7	17.3 18.7	1 1	11	5 "	5 "			x x
83-32-9 208-96-8 120-12-7 56-55-3	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene	< 81.7 < 81.7 < 81.7 < 81.7		μg/kg dry μg/kg dry μg/kg dry	81.7 81.7 81.7	17.3 18.7 16.9	1 1 1	  	5 " "	5	"	"	x x x
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7		µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7	17.3 18.7 16.9 17.0	1 1 1 1	  	5 " "	5	"	"	x x x x
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7 81.7	17.3 18.7 16.9 17.0 18.6	1 1 1 1	  	5 " "	5	"	"	× × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7 81.7 81.7	17.3 18.7 16.9 17.0 18.6 17.7	1 1 1 1 1	  	5 " "	5	"	"	X X X X X X
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7 81.7 81.7 81.7	17.3 18.7 16.9 17.0 18.6 17.7 18.6	1 1 1 1 1 1	• • • • •	5 " " " " " "	5	"	"	x x x x x x x
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7 81.7 81.7 81.7 404	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8	1 1 1 1 1 1 1		5 " " " " " "	5	"	"	× × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ethe	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7 81.7 81.7 81.7 404 204	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5	1 1 1 1 1 1 1		5 " " " " " " " "	5	"	"	× × × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (c), fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ethe r	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4	1 1 1 1 1 1 1 1 1		5 " " " " " " "	5	"	"	× × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1 117-81-7	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethoxy)metha r Bis(2-chloroisopropyl)ethe r Bis(2-ethylhexyl)phthalate 4-Bromophenyl phenyl	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	81.7 81.7 81.7 81.7 81.7 81.7 81.7 404 204 204 204	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4	1 1 1 1 1 1 1 1 1		5 " " " " " " "		"	"	× × × × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1 117-81-7 101-55-3	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (c), fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroisopropyl)ether r Bis(2-ethylhexyl)phthalate 4-Bromophenyl phenyl ether	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 204		µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry µg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7	1 1 1 1 1 1 1 1 1 1		5 " " " " " " " "	5	"		× × × × × × × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1 117-81-7 101-55-3 85-68-7	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 404		μg/kg dry μg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> <li>404</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7 89.6	1 1 1 1 1 1 1 1 1 1		5 " " " " " " " "	5	"		× × × × × × × × × × ×
83-32-9         208-96-8         120-12-7         56-55-3         50-32-8         205-99-2         191-24-2         207-08-9         111-91-1         111-81-7         108-60-1         117-81-7         101-55-3         85-68-7         86-74-8	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 204 < 404 < 404 < 204		µg/kg dryµg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> <li>404</li> <li>204</li> <li>204</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7 89.6 104	1 1 1 1 1 1 1 1 1 1 1 1		5 " " " " " " " "	5	"		× × × × × × × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1 117-81-7 101-55-3 85-68-7 86-74-8 59-50-7	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (c), fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroisopropyl)ether r Bis(2-chloroisopropyl)ether r Bis(2-ethylhexyl)phthalate 4-Bromophenyl phenyl ether Butyl benzyl phthalate Carbazole 4-Chloro-3-methylphenol	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 204 < 404 < 204 < 404		µg/kg dryµg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7 89.6 104 83.8	1 1 1 1 1 1 1 1 1 1 1 1 1		5 " " " " " " " "	5	"		× × × × × × × × × × × × × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1 117-81-7 101-55-3 85-68-7 86-74-8 59-50-7 106-47-8	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethoxy)metha ne Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-ethylhexyl)phthalate 4-Bromophenyl phenyl ether Butyl benzyl phthalate Carbazole 4-Chloro-3-methylphenol	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 204 < 404 < 404 < 204 < 404 < 204		µg/kg dryµg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> <li>404</li> <li>204</li> <li>404</li> <li>204</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7 89.6 104 83.8 83.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 " " " " " " " "	5	"		× × × × × × × × × × × × × × × × × × ×
83-32-9 208-96-8 120-12-7 56-55-3 50-32-8 205-99-2 191-24-2 207-08-9 111-91-1 111-44-4 108-60-1 117-81-7 101-55-3 85-68-7 86-74-8 59-50-7 106-47-8 91-58-7	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (b) fluoranthene Benzo (g,h,i) perylene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethoxy)metha ne Bis(2-chloroethyl)ether Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-chloroisopropyl)ethe r Bis(2-ethylhexyl)phthalate Carbazole 4-Chloro-3-methylphenol 4-Chloroaniline 2-Chloronaphthalene	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 404 < 204 < 404 < 204 < 204 < 204 < 204 < 204		µg/kg dryµg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> <li>404</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7 89.6 104 83.8 83.4 71.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 " " " " " " " "	5	"		× × × × × × × × × × × × × × × × × × ×
83-32-9         208-96-8         120-12-7         56-55-3         50-32-8         205-99-2         191-24-2         207-08-9         111-91-1         111-81-7         101-55-3         85-68-7         86-74-8         59-50-7         106-47-8         91-58-7         95-57-8	Acenaphthene Acenaphthylene Anthracene Benzo (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (c), fluoranthene Benzo (c), fluoranthene Benzo (k) fluoranthene Benzo (k) fluoranthene Bis(2-chloroethoxy)metha ne Bis(2-chloroethoxy)metha ne Bis(2-chloroisopropyl)ether r Bis(2-chloroisopropyl)ether r Bis(2-ethylhexyl)phthalate 4-Bromophenyl phenyl ether Butyl benzyl phthalate Carbazole 4-Chloro-3-methylphenol 4-Chloronaphthalene 2-Chloronphenol	< 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 81.7 < 404 < 204 < 204 < 204 < 404 < 204 < 404 < 204 < 404 < 204 < 404 < 204 < 404 < 204		µg/kg dryµg/kg dry	<ul> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>81.7</li> <li>404</li> <li>204</li> <li>204</li> <li>204</li> <li>404</li> <li>404</li> <li>204</li> </ul>	17.3 18.7 16.9 17.0 18.6 17.7 18.6 73.8 73.5 73.4 101 81.7 89.6 104 83.8 83.4 71.1 72.3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		5 " " " " " " " " " " " " " " " " " "		"		× × × × × × × × × × × × × × × × × × ×

<u>Semivolati</u>	Analyte(s) e Organic Compounds by O le Organic Compounds by method SW846 3545A Dibenzofuran 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	Result         Flag           GCMS         < 204           < 404	<i>Units</i> µg/kg dry	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cort
Semivolatil Prepared b 132-64-9 95-50-1	le Organic Compounds oy method SW846 3545A Dibenzofuran 1,2-Dichlorobenzene 1,3-Dichlorobenzene	< 204	ua/ka drv									
Prepared b 132-64-9 95-50-1	by method SW846 3545A Dibenzofuran 1,2-Dichlorobenzene 1,3-Dichlorobenzene		ua/ka drv									
132-64-9 95-50-1	Dibenzofuran 1,2-Dichlorobenzene 1,3-Dichlorobenzene		ua/ka drv									
	1,3-Dichlorobenzene	< 404	10 0 1	204	15.0	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	x
541-73-1			µg/kg dry	404	67.9	1	"	"	"		"	х
	1,4-Dichlorobenzene	< 404	µg/kg dry	404	71.8	1				"	"	х
106-46-7		< 404	µg/kg dry	404	66.9	1				"	"	х
91-94-1	3,3'-Dichlorobenzidine	< 404	µg/kg dry	404	82.0	1		"			"	х
120-83-2	2,4-Dichlorophenol	< 204	µg/kg dry	204	69.6	1		"			"	х
84-66-2	Diethyl phthalate	< 404	µg/kg dry	404	84.3	1		"	"		"	х
131-11-3	Dimethyl phthalate	< 404	µg/kg dry	404	79.6	1	"	"	"	"	"	х
105-67-9	2,4-Dimethylphenol	< 404	µg/kg dry	404	69.3	1		"			"	х
84-74-2	Di-n-butyl phthalate	< 404	µg/kg dry	404	90.7	1		"			"	х
534-52-1	4,6-Dinitro-2-methylphenol	< 404	µg/kg dry	404	107	1				"	"	х
51-28-5	2,4-Dinitrophenol	< 404	µg/kg dry	404	106	1		"			"	х
121-14-2	2,4-Dinitrotoluene	< 204	µg/kg dry	204	84.2	1		"			"	х
606-20-2	2,6-Dinitrotoluene	< 204	µg/kg dry	204	79.3	1		"			"	х
117-84-0	Di-n-octyl phthalate	< 404	µg/kg dry	404	87.3	1		"				х
206-44-0	Fluoranthene	82.0	µg/kg dry	81.7	20.5	1		"			"	х
86-73-7	Fluorene	< 81.7	µg/kg dry	81.7	19.6	1		"			"	х
118-74-1	Hexachlorobenzene	< 204	µg/kg dry	204	89.3	1		"			"	х
87-68-3	Hexachlorobutadiene	< 204	µg/kg dry	204	65.0	1	"	"			"	х
77-47-4	Hexachlorocyclopentadien	< 204	µg/kg dry	204	74.5	1	"	"	"		"	х
67-72-1	e Hexachloroethane	< 204	µg/kg dry	204	78.5	1	"	"	"		"	х
193-39-5	Indeno (1,2,3-cd) pyrene	< 81.7	µg/kg dry	81.7	16.7	1	"	"		"	"	х
78-59-1	Isophorone	< 204	µg/kg dry	204	71.4	1	"	"	"	"	"	х
91-57-6	2-Methylnaphthalene	< 81.7	µg/kg dry	81.7	16.8	1	"	"	"		"	х
95-48-7	2-Methylphenol	< 404	µg/kg dry	404	72.5	1	"	"	"	"	"	х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 404	µg/kg dry	404	90.9	1	"	"	"		"	х
91-20-3	Naphthalene	< 81.7	µg/kg dry	81.7	16.6	1	"	"	"	"	"	х
88-74-4	2-Nitroaniline	< 404	µg/kg dry	404	81.0	1	"	"	"	"	"	х
99-09-2	3-Nitroaniline	< 404	µg/kg dry	404	96.7	1	"	"	"	"	"	х
100-01-6	4-Nitroaniline	< 204	µg/kg dry	204	117	1	"	"	"	"	"	х
98-95-3	Nitrobenzene	< 204	µg/kg dry	204	79.3	1	"	"	"		"	х
88-75-5	2-Nitrophenol	< 204	µg/kg dry	204	67.7	1	"	"	"		"	х
100-02-7	4-Nitrophenol	< 1620	µg/kg dry	1620	109	1	"	"	"		"	х
621-64-7	N-Nitrosodi-n-propylamine	< 204	µg/kg dry	204	87.0	1	"	"	"		"	х
86-30-6	N-Nitrosodiphenylamine	< 404	µg/kg dry	404	95.0	1	u	"	"	"	"	х
87-86-5	Pentachlorophenol	< 404	µg/kg dry	404	96.2	1	"	"	"		"	х
85-01-8	Phenanthrene	83.7	µg/kg dry	81.7	19.9	1	u	"	"	"	"	х
108-95-2	Phenol	< 404	µg/kg dry	404	73.6	1	"	"	"		"	х
129-00-0	Pyrene	97.1	µg/kg dry	81.7	17.4	1	"	"	"		"	х
120-82-1	1,2,4-Trichlorobenzene	< 404	µg/kg dry	404	64.3	1	"	"			"	х
95-95-4	2,4,5-Trichlorophenol	< 404	µg/kg dry	404	83.6	1	"	"	"		"	х
Surrogate re	ecoveries:											
321-60-8	2-Fluorobiphenyl	50		30-13	0 %		"	"	"		"	

Sample Identification SB-15-2-3 SC06877-08		<u>Client P</u> 2150			<u>Matrix</u> Soil	<u>Colle</u> 29	<u>Re</u> 02-1						
	-08											-	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by C	GCMS											
	tile Organic Compounds												
	by method SW846 3545A												
367-12-4	2-Fluorophenol	61			30-13	30 %		SW846 8270D	05-May-1 5	10-May-15	MSL	1508622	
4165-60-0	Nitrobenzene-d5	61			30-13	30 %			"		"	"	
4165-62-2	Phenol-d5	66			30-13	30 %			"		"	"	
1718-51-0	Terphenyl-dl4	55			30-13	30 %		"	"			"	
118-79-6	2,4,6-Tribromophenol	53			30-13	30 %			"		"		
	ly Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Met	als by EPA 6000/7000 Series	Methods											
7440-22-4	Silver	< 1.81		mg/kg dry	1.81	0.133	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	Х
7440-38-2	Arsenic	16.0		mg/kg dry	1.81	0.293	1	"			"		х
7440-39-3	Barium	201		mg/kg dry	1.21	0.0718	1	"			"		х
7440-43-9	Cadmium	< 0.604		mg/kg dry	0.604	0.0193	1	"			"		х
7440-47-3	Chromium	14.9		mg/kg dry	1.21	0.115	1	"	"		"		х
7439-97-6	Mercury	0.438	GS1, D	mg/kg dry	0.174	0.0114	5	SW846 7471B	"	11-May-1 5	YR	1508924	Х
7439-92-1	Lead	234		mg/kg dry	1.81	0.334	1	SW846 6010C	"	09-May-1 5	EDT	1508923	Х
7782-49-2	Selenium	< 2.30	R01	mg/kg dry	2.30	0.454	1	"	"		"	"	х
General C	Chemistry Parameters												
	% Solids	81.4		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Identification SB-16-7-8 SC06877-09			<u>Client Project #</u> 2150606			<u>Matrix</u> Soil		ection Date -Apr-15 12		Received 02-May-15			
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
	rganic Compounds by SW												
	by method SW846 5035A	Soil (low level)	<u>)</u>			Init	ial weight: 8	<u>8.93 g</u>					
67-64-1	Acetone	< 40.0		µg/kg dry	40.0	26.7	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
71-43-2	Benzene	< 4.0		µg/kg dry	4.0	0.7	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 4.0		µg/kg dry	4.0	2.7	1	"	"		"	"	Х
75-25-2	Bromoform	< 4.0		µg/kg dry	4.0	3.8	1	"	"		"	"	Х
74-83-9	Bromomethane	< 8.0		µg/kg dry	8.0	2.3	1		"		"		х
78-93-3	2-Butanone (MEK)	< 40.0		µg/kg dry	40.0	4.8	1		"		"		х
104-51-8	n-Butylbenzene	< 4.0		µg/kg dry	4.0	1.1	1				"		х
135-98-8	sec-Butylbenzene	< 4.0		µg/kg dry	4.0	3.1	1				"		х
98-06-6	tert-Butylbenzene	< 4.0		µg/kg dry	4.0	2.6	1	"	"		"	"	х
75-15-0	Carbon disulfide	< 8.0		µg/kg dry	8.0	2.5	1	"	"		"	"	х
56-23-5	Carbon tetrachloride	< 4.0		µg/kg dry	4.0	3.3	1	"	"		"	"	х
108-90-7	Chlorobenzene	< 4.0		µg/kg dry	4.0	0.6	1	"	"		"		х
75-00-3	Chloroethane	< 8.0		µg/kg dry	8.0	2.2	1	"			"		х
67-66-3	Chloroform	< 4.0		µg/kg dry	4.0	1.3	1				"		х
74-87-3	Chloromethane	< 8.0		µg/kg dry	8.0	1.7	1				"		х
124-48-1	Dibromochloromethane	< 4.0		µg/kg dry	4.0	2.7	1		"		"	"	х
95-50-1	1,2-Dichlorobenzene	< 4.0		µg/kg dry	4.0	0.7	1		"		"	"	х
541-73-1	1,3-Dichlorobenzene	< 4.0		µg/kg dry	4.0	0.8	1	"			"		х
106-46-7	1,4-Dichlorobenzene	< 4.0		µg/kg dry	4.0	1.0	1	"			"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 8.0		µg/kg dry	8.0	1.4	1	"	"	u	"	"	х
75-34-3	1,1-Dichloroethane	< 4.0		µg/kg dry	4.0	2.6	1		"			"	х
107-06-2	1,2-Dichloroethane	< 4.0		µg/kg dry	4.0	1.0	1	"			"		х
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 µg/kg dry	4.0	1.5	1				"		x
108-10-1	4-Methyl-2-pentanone (MIBK)	< 40.0		µg/kg dry 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	"	"		"	"	х
91-20-3	Naphthalene	< 4.0	-	µg/kg dry	4.0	3.7	1	"				"	x
103-65-1	n-Propylbenzene	< 4.0 < 4.0			4.0	3.9	1	"	"		"	"	×
100-42-5	Styrene	< 4.0 < 4.0		µg/kg dry µg/kg dry	4.0 4.0	3.9 0.7	1	"			"	"	x
79-34-5	-			µg/kg dry								"	
127-18-4	1,1,2,2-Tetrachloroethane	< 4.0		µg/kg dry	4.0	3.4 1.5	1					"	X
108-88-3	Tetrachloroethene Toluene	< 4.0 < 4.0		µg/kg dry µg/kg dry	4.0 4.0	1.5 0.9	1 1	"	"			"	x x

Sample Identification SB-16-7-8 SC06877-09			<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 12		<u>Re</u> 02-			
CAS No.	Analyte(s)	Result F	lag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SV												
	by method SW846 5035A	<u>.</u>					ial weight:				0.15		
71-55-6	1,1,1-Trichloroethane	< 4.0		µg/kg dry	4.0	1.0	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	х
79-00-5	1,1,2-Trichloroethane	< 4.0		µg/kg dry	4.0	2.9	1		"				х
79-01-6	Trichloroethene	< 4.0		µg/kg dry	4.0	0.7	1		"	"		"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.0		µg/kg dry	4.0	2.2	1	"	"	"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 4.0		µg/kg dry	4.0	1.0	1		"		"		х
108-67-8	1,3,5-Trimethylbenzene	< 4.0		µg/kg dry	4.0	1.1	1		"	"	"	"	х
75-01-4	Vinyl chloride	< 4.0		µg/kg dry	4.0	1.5	1		"	"	"	"	х
179601-23-1	m,p-Xylene	< 8.0		µg/kg dry	8.0	0.8	1		"	"	"	"	х
95-47-6	o-Xylene	< 4.0		µg/kg dry	4.0	0.9	1		"	"	"		х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	80 %			"	"	"		
2037-26-5	Toluene-d8	105			70-13	80 %			"		"		
17060-07-0	1,2-Dichloroethane-d4	106			70-13	80 %			"	"	"		
1868-53-7	Dibromofluoromethane	106			70-13	80 %			"	"	"		
	rganic Compounds												
	by method SW846 5035A						ial weight:	<u>8.93 g</u>					
108-05-4	Vinyl acetate	< 40.0		µg/kg dry	40.0	8.4	1	"	05-May-1 5			1508644	
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	107			70-13	80 %			"				
2037-26-5	Toluene-d8	95			70-13	80 %							
17060-07-0	1,2-Dichloroethane-d4	115			70-13	80 %							
1868-53-7	Dibromofluoromethane	98			70-13	80 %			"				
	y Identified Compounds b by method SW846 5035A					Init	ial weight:	8 03 a					
repared	Tentatively Identified	None found		µg/kg dry		<u></u>	1	SW846 8260C	05-May-1		SJB	1508642	
	Compounds			µ9/19 0.)			·	TICs	5		002	10000.2	
Semivolati	le Organic Compounds by	GCMS											
	ile Organic Compounds by method SW846 3545A	<u>v</u>											
83-32-9	Acenaphthene	< 76.7		µg/kg dry	76.7	17.9	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	х
208-96-8	Acenaphthylene	< 76.7		µg/kg dry	76.7	16.3	1	"	"	"	"	"	х
120-12-7	Anthracene	< 76.7		µg/kg dry	76.7	17.6	1	"	"	"	"	"	х
56-55-3	Benzo (a) anthracene	< 76.7		µg/kg dry	76.7	15.9	1	"	"	"	"		х
50-32-8	Benzo (a) pyrene	< 76.7		µg/kg dry	76.7	16.0	1	"	"		"	"	х
205-99-2	Benzo (b) fluoranthene	< 76.7		µg/kg dry	76.7	17.5	1	"	"		"	"	х
191-24-2	Benzo (g,h,i) perylene	< 76.7		µg/kg dry	76.7	16.6	1	"	"	"	"	"	х
207-08-9	Benzo (k) fluoranthene	< 76.7		µg/kg dry	76.7	17.5	1	"	"	"	"	"	Х
111-91-1	Bis(2-chloroethoxy)metha ne	< 380		µg/kg dry	380	69.3	1	"	"	"	"	"	х
111-44-4	Bis(2-chloroethyl)ether	< 192		µg/kg dry	192	69.1	1	"	"		"	"	х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 192		µg/kg dry	192	69.0	1	u	"	"	"	"	х
117-81-7	Bis(2-ethylhexyl)phthalate	< 192		µg/kg dry	192	94.8	1	"	"		"		Х

<u>Sample Io</u> SB-16-7-8 SC06877				<u>nt Project #</u> 150606		<u>Matrix</u> Soil		ection Date P-Apr-15 12			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result Fl	ag Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS										
	tile Organic Compounds											
	by method SW846 3545A											
101-55-3	4-Bromophenyl phenyl ether	< 380	µg/kg d	ry 380	76.7	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	X
85-68-7	Butyl benzyl phthalate	< 380	µg/kg d	ry 380	84.1	1	"	"	"	"	"	х
86-74-8	Carbazole	< 192	µg/kg d	ry 192	97.6	1	"		"	"	"	х
59-50-7	4-Chloro-3-methylphenol	< 380	µg/kg d	ry 380	78.8	1	"	"	"	"	"	Х
106-47-8	4-Chloroaniline	< 192	µg/kg d	ry 192	78.4	1	"		"	"	"	Х
91-58-7	2-Chloronaphthalene	< 380	µg/kg d	ry 380	66.8	1	"	"	"	"	"	Х
95-57-8	2-Chlorophenol	< 192	µg/kg d	ry 192	67.9	1	"		"	"	"	Х
7005-72-3	4-Chlorophenyl phenyl ether	< 380	µg/kg d	ry 380	71.3	1	"	"	"	"	"	Х
218-01-9	Chrysene	< 76.7	µg/kg d	ry 76.7	18.8	1	"	"	"	"	"	Х
53-70-3	Dibenzo (a,h) anthracene	< 76.7	µg/kg d	ry 76.7	14.1	1	u	"	"	"	"	Х
132-64-9	Dibenzofuran	< 192	µg/kg d	ry 192	14.1	1	u	"	"	"	"	Х
95-50-1	1,2-Dichlorobenzene	< 380	µg/kg d	ry 380	63.8	1	"	"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 380	µg/kg d	ry 380	67.4	1		"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 380	µg/kg d	ry 380	62.8	1		"	"	"	"	Х
91-94-1	3,3'-Dichlorobenzidine	< 380	µg/kg d		77.1	1	"	"	"	"	"	Х
120-83-2	2,4-Dichlorophenol	< 192	µg/kg d		65.4	1	"	"	"	"	"	Х
84-66-2	Diethyl phthalate	< 380	µg/kg d		79.3	1	"	"	"	"	"	Х
131-11-3	Dimethyl phthalate	< 380	µg/kg d		74.8	1	"	"	"	"	"	Х
105-67-9	2,4-Dimethylphenol	< 380	µg/kg d		65.1	1	"	"	"	"	"	Х
84-74-2	Di-n-butyl phthalate	< 380	µg/kg d		85.3	1	"		"	"	"	Х
534-52-1	4,6-Dinitro-2-methylphenol	< 380	µg/kg d		101	1	"		"	"	"	Х
51-28-5	2,4-Dinitrophenol	< 380	µg/kg d		100	1			"	"		X
121-14-2	2,4-Dinitrotoluene	< 192	µg/kg d		79.1	1						X
606-20-2	2,6-Dinitrotoluene	< 192	μg/kg d		74.5	1						X
117-84-0	Di-n-octyl phthalate	< 380	µg/kg d		82.0	1						X
206-44-0	Fluoranthene	< 76.7	µg/kg d		19.3	1						X
86-73-7 118-74-1	Fluorene	< 76.7	µg/kg d		18.4	1						X
87-68-3	Hexachlorobenzene	< 192 < 192	µg/kg d		83.9 61.1	1			"		"	X X
77-47-4	Hexachlorobutadiene		µg/kg d			1			"			
//-4/-4	Hexachlorocyclopentadien e	< 192	µg/kg d	ry 192	70.0	1						Х
67-72-1	Hexachloroethane	< 192	µg/kg d	ry 192	73.8	1			"	"	"	х
193-39-5	Indeno (1,2,3-cd) pyrene	< 76.7	µg/kg d	ry 76.7	15.7	1		"	"		"	Х
78-59-1	Isophorone	< 192	µg/kg d	ry 192	67.1	1			"	"	"	х
91-57-6	2-Methylnaphthalene	< 76.7	µg/kg d	ry 76.7	15.8	1		"	"	"	"	Х
95-48-7	2-Methylphenol	< 380	µg/kg d	ry 380	68.1	1		"	"	"	"	Х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 380	µg/kg d	ry 380	85.5	1	n	"	"	"	"	Х
91-20-3	Naphthalene	< 76.7	µg/kg d	ry 76.7	15.6	1	"	"	"	"	"	х
88-74-4	2-Nitroaniline	< 380	µg/kg d	ry 380	76.1	1	"	"	"	"	"	х
99-09-2	3-Nitroaniline	< 380	µg/kg d	ry 380	90.8	1	"	"	"	"	"	х
100-01-6	4-Nitroaniline	< 192	µg/kg d	ry 192	110	1	"	"	"	"	"	Х
98-95-3	Nitrobenzene	< 192	µg/kg d	ry 192	74.5	1	"	"	"	"	"	Х
88-75-5	2-Nitrophenol	< 192	µg/kg d	ry 192	63.6	1	u	W	"	"	"	х

Sample Ider SB-16-7-8 SC06877-09				<u>Client Pr</u> 21500	-		<u>Matrix</u> Soil		ection Date -Apr-15 12			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result H	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile	Organic Compounds by (	GCMS											
Semivolatile	e Organic Compounds y method SW846 3545A												
	4-Nitrophenol	< 1520		µg/kg dry	1520	103	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	x
621-64-7	N-Nitrosodi-n-propylamine	< 192		µg/kg dry	192	81.7	1	"	"		"	"	х
86-30-6	N-Nitrosodiphenylamine	< 380		µg/kg dry	380	89.3	1		"		"		х
87-86-5	Pentachlorophenol	< 380		µg/kg dry	380	90.4	1		"		"		х
85-01-8	Phenanthrene	< 76.7		µg/kg dry	76.7	18.7	1		"	"	"	"	х
108-95-2	Phenol	< 380		µg/kg dry	380	69.1	1		"		"		х
129-00-0	Pyrene	< 76.7		µg/kg dry	76.7	16.3	1		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 380		µg/kg dry	380	60.4	1		"		"		х
95-95-4	2,4,5-Trichlorophenol	< 380		µg/kg dry	380	78.5	1	"			"	"	х
Surrogate rec	coveries:												
321-60-8	2-Fluorobiphenyl	70			30-13	80 %		"	"		"		
367-12-4	2-Fluorophenol	78			30-13	80 %		"	"		"		
4165-60-0	Nitrobenzene-d5	80			30-13	80 %		"	"		"		
4165-62-2	Phenol-d5	81			30-13	80 %		"	"		"		
1718-51-0	Terphenyl-dl4	73			30-13	80 %			"		"		
118-79-6	2,4,6-Tribromophenol	70			30-13	80 %			"		"		
	Identified Compounds y method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Semivolatile	Organic Compounds by (	GC											
	orine Pesticides y method SW846 3545A												
	alpha-BHC	< 5.75		µg/kg dry	5.75	0.560	1	SW846 8081B	04-May-1 5	05-May-1 5	TG	1508525	х
319-85-7	beta-BHC	< 5.75		µg/kg dry	5.75	0.741	1				"		х
	delta-BHC	< 5.75		µg/kg dry	5.75	0.450	1				"		х
58-89-9 g	gamma-BHC (Lindane)	< 3.45		µg/kg dry	3.45	0.618	1				"		х
76-44-8	Heptachlor	< 5.75		µg/kg dry	5.75	0.671	1		"		"		х
309-00-2	Aldrin	< 5.75		µg/kg dry	5.75	0.639	1		"		"		х
1024-57-3	Heptachlor epoxide	< 5.75		µg/kg dry	5.75	0.608	1		"		"		х
959-98-8	Endosulfan I	< 5.75		µg/kg dry	5.75	0.647	1		"		"		х
60-57-1	Dieldrin	< 5.75		µg/kg dry	5.75	0.658	1		"		"		х
72-55-9	4,4'-DDE (p,p')	< 5.75		µg/kg dry	5.75	0.681	1		"		"		х
72-20-8	Endrin	< 9.19		µg/kg dry	9.19	0.839	1		"		"		х
33213-65-9	Endosulfan II	< 9.19		µg/kg dry	9.19	0.647	1		"		"		х
72-54-8	4,4'-DDD (p,p')	< 9.19		µg/kg dry	9.19	0.610	1		"		"		х
1031-07-8	Endosulfan sulfate	< 9.19		µg/kg dry	9.19	0.657	1	"	"		"	"	х
50-29-3	4,4'-DDT (p,p')	< 9.19		µg/kg dry	9.19	0.615	1	"	"		"	"	х
72-43-5	Methoxychlor	< 9.19		µg/kg dry	9.19	1.39	1	"	"		"	"	х
53494-70-5	Endrin ketone	< 9.19		µg/kg dry	9.19	0.618	1	"	"		"	"	х
7421-93-4	Endrin aldehyde	< 9.19		µg/kg dry	9.19	0.751	1	"	"		"	"	х
	alpha-Chlordane	< 5.75		µg/kg dry	5.75	0.625	1	"	"		"	"	х
	gamma-Chlordane	< 5.75		µg/kg dry	5.75	0.717	1	"	"		"	"	х
	Toxaphene	< 115		µg/kg dry	115	37.3	1						х

Sample Id SB-16-7-8 SC06877-				<u>Client Pr</u> 2150	•		<u>Matrix</u> Soil		ection Date -Apr-15 12			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result F	lag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
<u>Organoch</u>	ile Organic Compounds by C lorine Pesticides by method SW846 3545A	GC											
57-74-9	Chlordane	< 23.0		µg/kg dry	23.0	13.9	1	SW846 8081B	04-May-1 5	05-May-1 5	TG	1508525	Х
15972-60-8	Alachlor	< 5.75		µg/kg dry	5.75	1.03	1	n	"	"	"	"	
Surrogate r	recoveries:												
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	71			30-15	0 %		H		"	"		
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	77			30-15	0 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-15	0 %			"		"		
2051-24-3	Decachlorobiphenyl (Sr) [2C]	74			30-15	0 %		"	"	"	"	"	
	nated Biphenyls by method SW846 3545A												
	Aroclor-1016	< 23.0		µg/kg dry	23.0	20.8	1	SW846 8082A	05-May-1 5	05-May-1 5	IMR	1508633	х
11104-28-2	Aroclor-1221	< 23.0		µg/kg dry	23.0	17.6	1		"		"		х
11141-16-5	Aroclor-1232	< 23.0		µg/kg dry	23.0	20.7	1		"		"		х
53469-21-9	Aroclor-1242	< 23.0		µg/kg dry	23.0	14.3	1		"		"		х
12672-29-6	Aroclor-1248	< 23.0		µg/kg dry	23.0	14.4	1		"		"		х
11097-69-1	Aroclor-1254	< 23.0		µg/kg dry	23.0	15.9	1		"		"		х
11096-82-5	Aroclor-1260	< 23.0		µg/kg dry	23.0	16.1	1		"		"	"	х
37324-23-5	Aroclor-1262	< 23.0		µg/kg dry	23.0	20.6	1		"		"		х
11100-14-4	Aroclor-1268	< 23.0		µg/kg dry	23.0	22.6	1	"			"	"	х
Surrogate r	recoveries:												
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	65			30-15	0 %		"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	70			30-15	0 %		"	"	u	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	70			30-15	0 %			"		"		
2051-24-3	Decachlorobiphenyl (Sr) [2C]	85			30-15	0 %		"	"	u	"	"	
Total Met:	als by EPA 6000/7000 Series	Methods											
7440-22-4	Silver	< 1.51		mg/kg dry	1.51	0.110	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	Х
7440-38-2	Arsenic	7.40		mg/kg dry	1.51	0.243	1	"	"	"	"	"	Х
7440-39-3	Barium	31.0		mg/kg dry	1.00	0.0597	1	"	"		"	"	Х
7440-43-9	Cadmium	< 0.502		mg/kg dry	0.502	0.0161	1	"	"		"	"	Х
7440-47-3	Chromium	6.94		mg/kg dry	1.00	0.0959	1	"	"		"	"	Х
7439-97-6	Mercury	< 0.0324		mg/kg dry	0.0324	0.0021	1	SW846 7471B	"	11-May-1 5	YR	1508924	Х
7439-92-1	Lead	8.16		mg/kg dry	1.51	0.277	1	SW846 6010C	"	09-May-1 5	EDT	1508923	х
7782-49-2	Selenium	< 1.51		mg/kg dry	1.51	0.377	1	"	"		"	"	х
General C	hemistry Parameters												
_	% Solids	86.6		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	
57-12-5	Cyanide (total)	< 0.546		mg/kg dry	0.546	0.437	1	SW846 9012B	05-May-1 5	05-May-1 5	RLT	1508657	х

<u>Sample Io</u> SB-17-2.5 SC06877				<u>Project #</u> )606		<u>Matrix</u> Soil		ection Date P-Apr-15 13			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result Fl	ag Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS										
<u>Semivola</u>	tile Organic Compounds											
	by method SW846 3545A											
83-32-9	Acenaphthene	< 89.6	µg/kg dry	89.6	20.9	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	Х
208-96-8	Acenaphthylene	< 89.6	µg/kg dry	89.6	19.0	1	"	"		"	"	х
120-12-7	Anthracene	< 89.6	µg/kg dry	89.6	20.5	1	"	"		"	"	х
56-55-3	Benzo (a) anthracene	< 89.6	µg/kg dry	89.6	18.5	1	"	"		"	"	х
50-32-8	Benzo (a) pyrene	< 89.6	µg/kg dry	89.6	18.7	1	"	"		"	"	Х
205-99-2	Benzo (b) fluoranthene	< 89.6	µg/kg dry	89.6	20.4	1		"		"	"	Х
191-24-2	Benzo (g,h,i) perylene	< 89.6	µg/kg dry	89.6	19.4	1		"		"	"	Х
207-08-9	Benzo (k) fluoranthene	< 89.6	µg/kg dry	89.6	20.4	1		"		"	"	Х
111-91-1	Bis(2-chloroethoxy)metha ne	< 443	µg/kg dry	443	80.9	1	п	"	"	"	"	Х
111-44-4	Bis(2-chloroethyl)ether	< 224	µg/kg dry	224	80.6	1		"		"	"	Х
108-60-1	Bis(2-chloroisopropyl)ethe	< 224	µg/kg dry	224	80.5	1	"	"		"	"	х
117-81-7	r Bis(2-ethylhexyl)phthalate	< 224	µg/kg dry	224	111	1				"	"	х
101-55-3	4-Bromophenyl phenyl	< 443	µg/kg dry	443	89.6	1	u	"	"	"	"	x
85-68-7	ether Butyl benzyl phthalate	< 443	µg/kg dry	443	98.2	1	"			"	"	х
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	< 443	μg/kg dry	443	83.2	1				"	"	x
	ether		P33)									
218-01-9	Chrysene	< 89.6	µg/kg dry	89.6	21.9	1		"		"	"	Х
53-70-3	Dibenzo (a,h) anthracene	< 89.6	µg/kg dry	89.6	16.5	1		"		"	"	Х
132-64-9	Dibenzofuran	< 224	µg/kg dry	224	16.5	1		"	"	"	"	Х
95-50-1	1,2-Dichlorobenzene	< 443	µg/kg dry	443	74.5	1		"		"	"	Х
541-73-1	1,3-Dichlorobenzene	< 443	µg/kg dry	443	78.7	1		"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 443	µg/kg dry	443	73.4	1		"		"	"	Х
91-94-1	3,3'-Dichlorobenzidine	< 443	µg/kg dry	443	90.0	1		"		"	"	Х
120-83-2	2,4-Dichlorophenol	< 224	µg/kg dry	224	76.3	1		"		"	"	Х
84-66-2	Diethyl phthalate	< 443	µg/kg dry	443	92.5	1		"		"	"	Х
131-11-3	Dimethyl phthalate	< 443	µg/kg dry	443	87.3	1		"		"	"	Х
105-67-9	2,4-Dimethylphenol	< 443	µg/kg dry	443	76.0	1		"		"	"	Х
84-74-2	Di-n-butyl phthalate	< 443	µg/kg dry	443	99.5	1		"		"	"	Х
534-52-1	4,6-Dinitro-2-methylphenol	< 443	µg/kg dry	443	118	1		"		"	"	Х
51-28-5	2,4-Dinitrophenol	< 443	µg/kg dry	443	117	1		"		"	"	Х
121-14-2	2,4-Dinitrotoluene	< 224	µg/kg dry	224	92.4	1		"		"	"	Х
606-20-2	2,6-Dinitrotoluene	< 224	µg/kg dry	224	87.0	1	"	"		"	"	Х
117-84-0	Di-n-octyl phthalate	< 443	µg/kg dry	443	95.7	1	"	"		"	"	Х
206-44-0	Fluoranthene	< 89.6	µg/kg dry	89.6	22.5	1	"	"		"	"	Х
86-73-7	Fluorene	< 89.6	µg/kg dry	89.6	21.5	1	"	"		"	"	Х
118-74-1	Hexachlorobenzene	< 224	µg/kg dry	224	98.0	1	"	"		"	"	Х
87-68-3	Hexachlorobutadiene	< 224	µg/kg dry	224	71.3	1	"	"	"	"	"	Х

<u>Sample Ic</u> SB-17-2.5 SC06877-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 13			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by G	GCMS											
	tile Organic Compounds												
77-47-4	by method SW846 3545A Hexachlorocyclopentadien e	< 224		µg/kg dry	224	81.8	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	х
67-72-1	Hexachloroethane	< 224		µg/kg dry	224	86.1	1	"	"		"	"	х
193-39-5	Indeno (1,2,3-cd) pyrene	< 89.6		µg/kg dry	89.6	18.3	1	"	"		"	"	х
78-59-1	Isophorone	< 224		µg/kg dry	224	78.3	1		"		"	"	х
91-57-6	2-Methylnaphthalene	< 89.6		µg/kg dry	89.6	18.5	1		"		"	"	х
95-48-7	2-Methylphenol	< 443		µg/kg dry	443	79.5	1		"		"	"	х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 443		µg/kg dry	443	99.8	1	"	"	"	"		х
91-20-3	Naphthalene	< 89.6		µg/kg dry	89.6	18.3	1	"	"		"	"	Х
88-74-4	2-Nitroaniline	< 443		µg/kg dry	443	88.8	1	"	"		"	"	Х
99-09-2	3-Nitroaniline	< 443		µg/kg dry	443	106	1	"	"		"	"	Х
100-01-6	4-Nitroaniline	< 224		µg/kg dry	224	128	1	"	"		"	"	Х
98-95-3	Nitrobenzene	< 224		µg/kg dry	224	87.0	1	"	"		"	"	Х
88-75-5	2-Nitrophenol	< 224		µg/kg dry	224	74.3	1	"	"		"	"	Х
100-02-7	4-Nitrophenol	< 1770		µg/kg dry	1770	120	1	"	"	"	"	"	Х
621-64-7	N-Nitrosodi-n-propylamine	< 224		µg/kg dry	224	95.4	1	"	"	"	"	"	х
86-30-6	N-Nitrosodiphenylamine	< 443		µg/kg dry	443	104	1	"	"		"	"	Х
87-86-5	Pentachlorophenol	< 443		µg/kg dry	443	105	1	"	"	"	"	"	Х
85-01-8	Phenanthrene	< 89.6		µg/kg dry	89.6	21.9	1	"	"		"		х
108-95-2	Phenol	< 443		µg/kg dry	443	80.7	1	"	"		"		х
129-00-0	Pyrene	< 89.6		µg/kg dry	89.6	19.1	1	"	"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 443		µg/kg dry	443	70.5	1	"	"		"		х
95-95-4	2,4,5-Trichlorophenol	< 443		µg/kg dry	443	91.7	1	"	"		"	"	х
Surrogate	recoveries:												
321-60-8	2-Fluorobiphenyl	64			30-13	0 %		"	"		"	"	
367-12-4	2-Fluorophenol	70			30-13	0 %		"	"		"	"	
4165-60-0	Nitrobenzene-d5	75			30-13	0 %		"	"		"	"	
4165-62-2	Phenol-d5	76			30-13	0 %		"	"		"	"	
1718-51-0	Terphenyl-dl4	66			30-13	0 %		"	"		"	"	
118-79-6	2,4,6-Tribromophenol	65			30-13	0 %		"	"		"	"	
	ly Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Met	als by EPA 6000/7000 Series	Methods											
7440-22-4	Silver	< 1.94		mg/kg dry	1.94	0.142	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	х
7440-38-2	Arsenic	89.8		mg/kg dry	1.94	0.313	1	"	"		"	"	х
7440-39-3	Barium	41.4		mg/kg dry	1.29	0.0767	1	"	"		"	"	х
7440-43-9	Cadmium	14.0		mg/kg dry	0.646	0.0207	1	"	"		"	"	х
7440-47-3	Chromium	5.36		mg/kg dry	1.29	0.123	1	"	"		"	"	х
7439-97-6	Mercury	0.232		mg/kg dry	0.0378	0.0025	1	SW846 7471B	"	11-May-1 5	YR	1508924	Х
7439-92-1	Lead	291		mg/kg dry	1.94	0.357	1	SW846 6010C	"	09-May-1 5	EDT	1508923	Х
7782-49-2	Selenium	< 3.10	R01	mg/kg dry	3.10	0.485	1	"	"	"	"	"	х

Sample Identification SB-17-2.5-3.5 SC06877-11				<u>Project #</u> 0606		<u>Matrix</u> Soil		ection Date -Apr-15 13			<u>eceived</u> 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-1 5	04-May-1 5	DT	1508564	

<u>Sample Io</u> SB-17-6-3 SC06877			<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date P-Apr-15 13			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
<u>Semivola</u>	ile Organic Compounds by ( tile Organic Compounds	GCMS										
<u>Prepared</u> 83-32-9	by method SW846 3545A Acenaphthene	< 75.1	µg/kg dry	75.1	17.5	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	x
208-96-8	Acenaphthylene	< 75.1	µg/kg dry	75.1	15.9	1	"	"		"	"	х
120-12-7	Anthracene	< 75.1	µg/kg dry	75.1	17.2	1	"	"	"	"	"	х
56-55-3	Benzo (a) anthracene	< 75.1	µg/kg dry	75.1	15.5	1	"		"	"	"	х
50-32-8	Benzo (a) pyrene	< 75.1	µg/kg dry	75.1	15.6	1	"		"	"	"	х
205-99-2	Benzo (b) fluoranthene	< 75.1	µg/kg dry	75.1	17.1	1	"		"	"	"	х
191-24-2	Benzo (g,h,i) perylene	< 75.1	µg/kg dry	75.1	16.3	1		"	"	"	"	Х
207-08-9	Benzo (k) fluoranthene	< 75.1	µg/kg dry	75.1	17.1	1			"	"	"	Х
111-91-1	Bis(2-chloroethoxy)metha ne	< 371	µg/kg dry	371	67.8	1	u	"	"	"	"	Х
111-44-4	Bis(2-chloroethyl)ether	< 188	µg/kg dry	188	67.6	1			"	"	"	Х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 188	µg/kg dry	188	67.5	1	n	"	"	"	"	Х
117-81-7	Bis(2-ethylhexyl)phthalate	< 188	µg/kg dry	188	92.7	1		"	"	"	"	Х
101-55-3	4-Bromophenyl phenyl ether	< 371	µg/kg dry	371	75.1	1	"	"	"	n	"	Х
85-68-7	Butyl benzyl phthalate	< 371	µg/kg dry	371	82.3	1		"	"	"	"	Х
86-74-8	Carbazole	< 188	µg/kg dry	188	95.5	1		"	"	"	"	Х
59-50-7	4-Chloro-3-methylphenol	< 371	µg/kg dry	371	77.0	1		"	"	"	"	Х
106-47-8	4-Chloroaniline	< 188	µg/kg dry	188	76.7	1		"	"	"	"	Х
91-58-7	2-Chloronaphthalene	< 371	µg/kg dry	371	65.3	1			"	"	"	Х
95-57-8	2-Chlorophenol	< 188	µg/kg dry	188	66.4	1		"	"	"	"	Х
7005-72-3	4-Chlorophenyl phenyl ether	< 371	µg/kg dry	371	69.8	1	"	"	"	"	"	х
218-01-9	Chrysene	< 75.1	µg/kg dry	75.1	18.3	1		"	"	"	"	Х
53-70-3	Dibenzo (a,h) anthracene	< 75.1	µg/kg dry	75.1	13.8	1		"	"	"	"	Х
132-64-9	Dibenzofuran	< 188	µg/kg dry	188	13.8	1		"	"	"	"	Х
95-50-1	1,2-Dichlorobenzene	< 371	µg/kg dry	371	62.4	1		"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 371	µg/kg dry	371	66.0	1		"	"	"	"	Х
106-46-7	1,4-Dichlorobenzene	< 371	µg/kg dry	371	61.5	1		"	"	"	"	Х
91-94-1	3,3'-Dichlorobenzidine	< 371	µg/kg dry	371	75.4	1		"	"	"	"	Х
120-83-2	2,4-Dichlorophenol	< 188	µg/kg dry	188	63.9	1		"	"	"	"	Х
84-66-2	Diethyl phthalate	< 371	µg/kg dry	371	77.5	1			"	"	"	Х
131-11-3	Dimethyl phthalate	< 371	µg/kg dry	371	73.2	1		"	"	"	"	Х
105-67-9	2,4-Dimethylphenol	< 371	µg/kg dry	371	63.7	1		"	"	"	"	Х
84-74-2	Di-n-butyl phthalate	< 371	µg/kg dry	371	83.4	1		"	"	"	"	Х
534-52-1	4,6-Dinitro-2-methylphenol	< 371	µg/kg dry	371	98.8	1		"	"	"	"	Х
51-28-5	2,4-Dinitrophenol	< 371	µg/kg dry	371	97.8	1		"	"	"	"	Х
121-14-2	2,4-Dinitrotoluene	< 188	µg/kg dry	188	77.4	1	"	"	"	"	"	х
606-20-2	2,6-Dinitrotoluene	< 188	µg/kg dry	188	72.9	1	"	"	"	"	"	Х
117-84-0	Di-n-octyl phthalate	< 371	µg/kg dry	371	80.2	1	"	"	"	"	"	Х
206-44-0	Fluoranthene	104	µg/kg dry	75.1	18.9	1	"	"	"	"	"	Х
86-73-7	Fluorene	< 75.1	µg/kg dry	75.1	18.0	1	"	"	"	"	"	Х
118-74-1	Hexachlorobenzene	< 188	µg/kg dry	188	82.1	1	"	"	"	"	"	Х
87-68-3	Hexachlorobutadiene	< 188	µg/kg dry	188	59.8	1	"	"	"	"	"	Х

<u>Sample Ic</u> SB-17-6-8 SC06877-				<u>Client Pr</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 13			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by (	GCMS											
	tile Organic Compounds												
Prepared 77-47-4	by method SW846 3545A Hexachlorocyclopentadien e	< 188		µg/kg dry	188	68.5	1	SW846 8270D	05-May-1 5	10-May-1 5	MSL	1508622	х
67-72-1	Hexachloroethane	< 188		µg/kg dry	188	72.2	1	"	"	"	"		х
193-39-5	Indeno (1,2,3-cd) pyrene	< 75.1		µg/kg dry	75.1	15.4	1	"	"		"		х
78-59-1	Isophorone	< 188		µg/kg dry	188	65.6	1	"	"		"		х
91-57-6	2-Methylnaphthalene	< 75.1		µg/kg dry	75.1	15.5	1	"	"	"	"		х
95-48-7	2-Methylphenol	< 371		µg/kg dry	371	66.6	1	"	"		"		х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 371		µg/kg dry	371	83.6	1	"	"	"	"	"	Х
91-20-3	Naphthalene	< 75.1		µg/kg dry	75.1	15.3	1	"	"		"		х
88-74-4	2-Nitroaniline	< 371		µg/kg dry	371	74.5	1	"	"		"		Х
99-09-2	3-Nitroaniline	< 371		µg/kg dry	371	88.9	1	"	"		"		Х
100-01-6	4-Nitroaniline	< 188		µg/kg dry	188	107	1	"	"		"		Х
98-95-3	Nitrobenzene	< 188		µg/kg dry	188	72.9	1	"	"		"		Х
88-75-5	2-Nitrophenol	< 188		µg/kg dry	188	62.2	1	"	"		"		Х
100-02-7	4-Nitrophenol	< 1490		µg/kg dry	1490	100	1	"	"	"	"		х
621-64-7	N-Nitrosodi-n-propylamine	< 188		µg/kg dry	188	80.0	1	"	"	"	"	"	х
86-30-6	N-Nitrosodiphenylamine	< 371		µg/kg dry	371	87.4	1	"	"		"		х
87-86-5	Pentachlorophenol	< 371		µg/kg dry	371	88.4	1	"	"	"	"		х
85-01-8	Phenanthrene	75.8		µg/kg dry	75.1	18.3	1		"		"		х
108-95-2	Phenol	< 371		µg/kg dry	371	67.6	1		"		"		х
129-00-0	Pyrene	91.5		µg/kg dry	75.1	16.0	1		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 371		µg/kg dry	371	59.1	1		"		"		х
95-95-4	2,4,5-Trichlorophenol	< 371		µg/kg dry	371	76.8	1	"	"		"	"	х
Surrogate	recoveries:												
321-60-8	2-Fluorobiphenyl	54			30-13	80 %			"		"		
367-12-4	2-Fluorophenol	56			30-13	80 %			"		"		
4165-60-0	Nitrobenzene-d5	61			30-13	80 %			"		"		
4165-62-2	Phenol-d5	63			30-13	80 %			"		"		
1718-51-0	Terphenyl-dl4	62			30-13	80 %			"		"		
118-79-6	2,4,6-Tribromophenol	51			30-13	80 %			"		"		
	y Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"		MSL	"	
Total Met	als by EPA 6000/7000 Series	Methods											
7440-22-4	Silver	< 1.61		mg/kg dry	1.61	0.118	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	х
7440-38-2	Arsenic	14.7		mg/kg dry	1.61	0.261	1	"	"		"	"	х
7440-39-3	Barium	101		mg/kg dry	1.08	0.0639	1	"	"		"	"	х
7440-43-9	Cadmium	< 0.538		mg/kg dry	0.538	0.0172	1	"	"		"	"	х
7440-47-3	Chromium	10.3		mg/kg dry	1.08	0.103	1	"	"		"	"	х
7439-97-6	Mercury	1.01	D, GS1	mg/kg dry	0.156	0.0102	5	SW846 7471B	"	11-May-1 5	YR	1508924	Х
7439-92-1	Lead	251		mg/kg dry	1.61	0.297	1	SW846 6010C	"	09-May-1 5	EDT	1508923	Х
7782-49-2	Selenium	< 2.10	R01	mg/kg dry	2.10	0.404	1	"	"	"	"	"	х

Sample Identification SB-17-6-8 SC06877-12				<u>Project #</u> 0606		<u>Matrix</u> Soil		ection Date -Apr-15 13	<u> </u>		<u>eceived</u> 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-1 5	04-May-1 5	DT	1508564	,

Sample Id SB-19-1-3 SC06877-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date P-Apr-15 14			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
	Organic Compounds by SW												
	by method SW846 5035A		<u>)</u>				tial weight:	-					
67-64-1	Acetone	105		µg/kg dry	44.9	30.0	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
71-43-2	Benzene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	х
75-27-4	Bromodichloromethane	< 4.5		µg/kg dry	4.5	3.0	1	"			"	"	х
75-25-2	Bromoform	< 4.5		µg/kg dry	4.5	4.3	1	"		"	"	"	х
74-83-9	Bromomethane	< 9.0		µg/kg dry	9.0	2.6	1		"		"		х
78-93-3	2-Butanone (MEK)	< 44.9		µg/kg dry	44.9	5.4	1		"		"		х
104-51-8	n-Butylbenzene	< 4.5		µg/kg dry	4.5	1.3	1		"	"	"	"	х
135-98-8	sec-Butylbenzene	< 4.5		µg/kg dry	4.5	3.5	1		"	"	"	"	х
98-06-6	tert-Butylbenzene	< 4.5		µg/kg dry	4.5	3.0	1		"	"	"	"	х
75-15-0	Carbon disulfide	< 9.0		µg/kg dry	9.0	2.8	1				"		х
56-23-5	Carbon tetrachloride	< 4.5		µg/kg dry	4.5	3.7	1			"	"		х
108-90-7	Chlorobenzene	< 4.5		µg/kg dry	4.5	0.7	1			"	"		х
75-00-3	Chloroethane	< 9.0		µg/kg dry	9.0	2.5	1			"	"		х
67-66-3	Chloroform	< 4.5		µg/kg dry	4.5	1.5	1				"		х
74-87-3	Chloromethane	< 9.0		µg/kg dry	9.0	1.9	1			"	"		х
124-48-1	Dibromochloromethane	< 4.5		µg/kg dry	4.5	3.0	1			"	"		х
95-50-1	1,2-Dichlorobenzene	< 4.5		µg/kg dry	4.5	0.8	1			"	"		х
541-73-1	1,3-Dichlorobenzene	< 4.5		µg/kg dry	4.5	0.9	1			"	"		х
106-46-7	1,4-Dichlorobenzene	< 4.5		µg/kg dry	4.5	1.1	1			"	"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.0		µg/kg dry	9.0	1.5	1	u	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 4.5		µg/kg dry	4.5	2.9	1			"	"		х
107-06-2	1,2-Dichloroethane	< 4.5		µg/kg dry	4.5	1.1	1			"	"		х
75-35-4	1,1-Dichloroethene	< 4.5		µg/kg dry	4.5	3.4	1				"		х
156-59-2	cis-1,2-Dichloroethene	< 4.5		µg/kg dry	4.5	1.7	1			"	"		х
156-60-5	trans-1,2-Dichloroethene	< 4.5		µg/kg dry	4.5	2.4	1			"	"		х
78-87-5	1,2-Dichloropropane	< 4.5		µg/kg dry	4.5	2.4	1			"	"		х
10061-01-5	cis-1,3-Dichloropropene	< 4.5		µg/kg dry	4.5	2.7	1		"	"	"		х
10061-02-6	trans-1,3-Dichloropropene	< 4.5		µg/kg dry	4.5	2.4	1			"	"		х
100-41-4	Ethylbenzene	< 4.5		µg/kg dry	4.5	0.8	1			"	"		х
591-78-6	2-Hexanone (MBK)	< 44.9		µg/kg dry	44.9	4.9	1		"	"	"		х
98-82-8	Isopropylbenzene	< 4.5		µg/kg dry	4.5	0.9	1		"	"	"		х
99-87-6	4-Isopropyltoluene	< 4.5		µg/kg dry	4.5	4.2	1			"	"		х
1634-04-4	Methyl tert-butyl ether	< 4.5		µg/kg dry	4.5	1.7	1	"		"	"		х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 44.9		µg/kg dry	44.9	8.5	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 9.0	O01	µg/kg dry	9.0	1.3	1	"	"	"	"	"	х
91-20-3	Naphthalene	< 4.5		µg/kg dry	4.5	4.1	1	"	"	"	"	"	х
103-65-1	n-Propylbenzene	< 4.5		µg/kg dry	4.5	4.4	1	"	"	"	"	"	х
100-42-5	Styrene	< 4.5		µg/kg dry	4.5	0.8	1	"	"	"	"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 4.5		µg/kg dry	4.5	3.8	1	"	"	"	"	"	х
127-18-4	Tetrachloroethene	< 4.5		µg/kg dry	4.5	1.7	1	"	"		"	"	х
108-88-3	Toluene	< 4.5		µg/kg dry	4.5	1.0	1	"	"	"	"	"	х

Sample Id SB-19-1-3 SC06877-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SV	W846 8260											
	by method SW846 5035		)			Init	ial weight:	<u>6.36 g</u>					
71-55-6	1,1,1-Trichloroethane	< 4.5		µg/kg dry	4.5	1.2	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
79-00-5	1,1,2-Trichloroethane	< 4.5		µg/kg dry	4.5	3.3	1		"	"			х
79-01-6	Trichloroethene	< 4.5		µg/kg dry	4.5	0.8	1		"	"			х
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.5		µg/kg dry	4.5	2.4	1	"	"	"	"	"	Х
95-63-6	1,2,4-Trimethylbenzene	11.1		µg/kg dry	4.5	1.1	1		"	"		"	х
108-67-8	1,3,5-Trimethylbenzene	64.9		µg/kg dry	4.5	1.3	1	"	"		"	"	х
75-01-4	Vinyl chloride	< 4.5		µg/kg dry	4.5	1.6	1		"				х
179601-23-1	m,p-Xylene	< 9.0		µg/kg dry	9.0	0.9	1		"	"			х
95-47-6	o-Xylene	10.0		µg/kg dry	4.5	1.0	1				"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	113			70-13	0 %			"	"		"	
2037-26-5	Toluene-d8	109			70-13	0 %			"	"	"		
17060-07-0	1,2-Dichloroethane-d4	105			70-13	0 %			"	"	"		
1868-53-7	Dibromofluoromethane	106			70-13	0 %					"	"	
Volatile Or	rganic Compounds												
	by method SW846 5035/	A Soil (low level	)			<u>Init</u>	ial weight:	<u>6.36 g</u>					
108-05-4	Vinyl acetate	< 44.9		µg/kg dry	44.9	9.4	1	n	05-May-1 5	"	"	1508644	
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	123			70-13	0 %			"	"			
2037-26-5	Toluene-d8	99			70-13	0 %			"	"			
17060-07-0	1,2-Dichloroethane-d4	113			70-13	0 %			"	"			
1868-53-7	Dibromofluoromethane	98			70-13	0 %			"	"			
	y Identified Compounds I by method SW846 5035/		)			Init	ial weight:	6.36 a					
	Cyclohexane, 1,1,3-trimethyl-	996	TIC	µg/kg dry		<u></u>	1	SW846 8260C TICs	05-May-1 5	"	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	n	"	"	"	"	
General Cl	hemistry Parameters												
	% Solids	94.1		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Id SB-20-7-8 SC06877-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 17			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/70	00 Series Methods											
7440-22-4	Silver	< 1.78		mg/kg dry	1.78	0.131	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	х
7440-38-2	Arsenic	5.21		mg/kg dry	1.78	0.288	1		"		"		х
7440-39-3	Barium	58.1		mg/kg dry	1.19	0.0707	1		"		"		х
7440-43-9	Cadmium	< 0.595		mg/kg dry	0.595	0.0190	1		"		"		х
7440-47-3	Chromium	9.69		mg/kg dry	1.19	0.114	1		"		"		х
7439-97-6	Mercury	< 0.0354		mg/kg dry	0.0354	0.0023	1	SW846 7471B	"	11-May-1 5	YR	1508924	х
7439-92-1	Lead	9.13		mg/kg dry	1.78	0.328	1	SW846 6010C	"	09-May-1 5	EDT	1508923	х
7782-49-2	Selenium	< 1.78		mg/kg dry	1.78	0.447	1				"		х
General C	Chemistry Paramete	ers											
	% Solids	82.7		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Id SB-23-17 SC06877-				<u>Client Pr</u> 2150	•		<u>Matrix</u> Soil		ection Date 0-Apr-15 14			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
	Organic Compounds by SW												
	by method SW846 5035A						tial weight:	-					
67-64-1	Acetone	< 73.3		µg/kg dry	73.3	49.0	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
71-43-2	Benzene	< 7.3		µg/kg dry	7.3	1.3	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 7.3		µg/kg dry	7.3	4.9	1	"			"		х
75-25-2	Bromoform	< 7.3		µg/kg dry	7.3	7.0	1	"			"		х
74-83-9	Bromomethane	< 14.7		µg/kg dry	14.7	4.2	1	"			"		х
78-93-3	2-Butanone (MEK)	< 73.3		µg/kg dry	73.3	8.8	1	"			"		х
104-51-8	n-Butylbenzene	< 7.3		µg/kg dry	7.3	2.1	1	u	"	"	"	"	х
135-98-8	sec-Butylbenzene	< 7.3		µg/kg dry	7.3	5.7	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 7.3		µg/kg dry	7.3	4.8	1	"	"		"	"	х
75-15-0	Carbon disulfide	< 14.7		µg/kg dry	14.7	4.5	1	u	"	"	"	"	х
56-23-5	Carbon tetrachloride	< 7.3		µg/kg dry	7.3	6.0	1	"			"		х
108-90-7	Chlorobenzene	< 7.3		µg/kg dry	7.3	1.2	1	"			"		х
75-00-3	Chloroethane	< 14.7		µg/kg dry	14.7	4.1	1	"			"		х
67-66-3	Chloroform	< 7.3		µg/kg dry	7.3	2.4	1	"			"		х
74-87-3	Chloromethane	< 14.7		µg/kg dry	14.7	3.0	1	"			"		х
124-48-1	Dibromochloromethane	< 7.3		µg/kg dry	7.3	5.0	1				"		х
95-50-1	1,2-Dichlorobenzene	< 7.3		µg/kg dry	7.3	1.3	1	"			"		х
541-73-1	1,3-Dichlorobenzene	< 7.3		µg/kg dry	7.3	1.5	1				"		х
106-46-7	1,4-Dichlorobenzene	< 7.3		µg/kg dry	7.3	1.8	1	"			"		х
75-71-8	Dichlorodifluoromethane (Freon12)	< 14.7		µg/kg dry	14.7	2.5	1	"	"	"	"	"	х
75-34-3	1,1-Dichloroethane	< 7.3		µg/kg dry	7.3	4.7	1	"			"		х
107-06-2	1,2-Dichloroethane	< 7.3		µg/kg dry	7.3	1.8	1				"		х
75-35-4	1,1-Dichloroethene	< 7.3		µg/kg dry	7.3	5.5	1		"		"		х
156-59-2	cis-1,2-Dichloroethene	< 7.3		µg/kg dry	7.3	2.7	1	"			"		х
156-60-5	trans-1,2-Dichloroethene	< 7.3		µg/kg dry	7.3	3.9	1				"		х
78-87-5	1,2-Dichloropropane	< 7.3		µg/kg dry	7.3	3.8	1	"			"		х
10061-01-5	cis-1,3-Dichloropropene	< 7.3		µg/kg dry	7.3	4.4	1	"			"		х
10061-02-6	trans-1,3-Dichloropropene	< 7.3		µg/kg dry	7.3	3.8	1	"	"		"		Х
100-41-4	Ethylbenzene	< 7.3		µg/kg dry	7.3	1.3	1	"			"		х
591-78-6	2-Hexanone (MBK)	< 73.3		µg/kg dry	73.3	8.0	1		"		"		х
98-82-8	Isopropylbenzene	< 7.3		µg/kg dry	7.3	1.4	1		"		"		х
99-87-6	4-Isopropyltoluene	< 7.3		µg/kg dry	7.3	6.9	1	"			"		х
1634-04-4	Methyl tert-butyl ether	< 7.3		µg/kg dry	7.3	2.8	1		"		"		х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 73.3		µg/kg dry	73.3	13.8	1	u	"	"	"	"	х
75-09-2	Methylene chloride	16.9	O01	µg/kg dry	14.7	2.1	1	"	"		"	"	х
91-20-3	Naphthalene	< 7.3		µg/kg dry	7.3	6.7	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 7.3		µg/kg dry	7.3	7.1	1	"	"		"	"	х
100-42-5	Styrene	< 7.3		µg/kg dry	7.3	1.3	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 7.3		µg/kg dry	7.3	6.2	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 7.3		µg/kg dry	7.3	2.8	1	"	"		"	"	х
108-88-3	Toluene	< 7.3		µg/kg dry	7.3	1.7	1	"	"		"	"	х

Sample Id SB-23-17- SC06877-				<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date -Apr-15 14			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SV by method SW846 50354					Ini	ial weight:	5.61 a					
71-55-6	1,1,1-Trichloroethane	< 7.3		µg/kg dry	7.3	1.9	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	х
79-00-5	1,1,2-Trichloroethane	< 7.3		µg/kg dry	7.3	5.3	1	"	"	"	"	"	х
79-01-6	Trichloroethene	< 7.3		µg/kg dry	7.3	1.3	1	"	"	"	"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 7.3		µg/kg dry	7.3	4.0	1	"	"	"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 7.3		µg/kg dry	7.3	1.8	1			"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 7.3		µg/kg dry	7.3	2.1	1			"	"	"	Х
75-01-4	Vinyl chloride	< 7.3		µg/kg dry	7.3	2.7	1			"	"	"	Х
179601-23-1	m,p-Xylene	< 14.7		µg/kg dry	14.7	1.4	1			"	"	"	х
95-47-6	o-Xylene	< 7.3		µg/kg dry	7.3	1.6	1	"	"	"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	80 %				"	"	"	
2037-26-5	Toluene-d8	105			70-13	80 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	103			70-13	80 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	104			70-13	80 %		"	"	"	"	"	
	rganic Compounds by method SW846 5035/	A Soil (low level)				Ini	tial weight:	5 61 a					
108-05-4	Vinyl acetate	< 73.3		µg/kg dry	73.3	15.4	1	"	05-May-1 5	"	"	1508644	
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	108			70-13	80 %			"	"	"	"	
2037-26-5	Toluene-d8	95			70-13	80 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	111			70-13	80 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	96			70-13	80 %			"	"	"	"	
	y Identified Compounds b by method SW846 50354					Init	ial weight:	<u>5.61 g</u>					
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8260C TICs	05-May-1 5	"	SJB	1508642	
General C	hemistry Parameters												
	% Solids	76.7		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Id SB-22-5-0 SC06877-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 11			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/70	00 Series Methods											
7440-22-4	Silver	< 1.66		mg/kg dry	1.66	0.122	1	SW846 6010C	08-May-1 5	09-May-1 5	EDT	1508923	Х
7440-38-2	Arsenic	8.64		mg/kg dry	1.66	0.269	1		"		"	"	х
7440-39-3	Barium	92.1		mg/kg dry	1.11	0.0658	1		"		"	"	х
7440-43-9	Cadmium	< 0.554		mg/kg dry	0.554	0.0177	1		"		"	"	х
7440-47-3	Chromium	12.1		mg/kg dry	1.11	0.106	1		"		"	"	х
7439-97-6	Mercury	0.411		mg/kg dry	0.0350	0.0023	1	SW846 7471B	"	11-May-1 5	YR	1508924	х
7439-92-1	Lead	85.5		mg/kg dry	1.66	0.306	1	SW846 6010C	"	09-May-1 5	EDT	1508923	х
7782-49-2	Selenium	< 1.66		mg/kg dry	1.66	0.416	1		"		"	"	х
General C	hemistry Paramete	rs											
	% Solids	80.1		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Id SB-22-19 SC06877-				<u>Client Pr</u> 2150	•		<u>Matrix</u> Soil		ection Date -Apr-15 13		-	<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	Organic Compounds												
volatile O	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
Volatile O	Organic Compounds by SW	846 8260											
	by method SW846 5035A	Soil (low level)	<u>)</u>				ial weight:	4.55 g					
67-64-1	Acetone	< 64.8		µg/kg dry	64.8	43.3	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
71-43-2	Benzene	< 6.5		µg/kg dry	6.5	1.2	1	"			"	"	х
75-27-4	Bromodichloromethane	< 6.5		µg/kg dry	6.5	4.3	1		"		"		х
75-25-2	Bromoform	< 6.5		µg/kg dry	6.5	6.2	1		"		"		х
74-83-9	Bromomethane	< 13.0		µg/kg dry	13.0	3.7	1		"		"		х
78-93-3	2-Butanone (MEK)	< 64.8		µg/kg dry	64.8	7.8	1		"		"		х
104-51-8	n-Butylbenzene	< 6.5		µg/kg dry	6.5	1.9	1		"		"		х
135-98-8	sec-Butylbenzene	< 6.5		µg/kg dry	6.5	5.1	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 6.5		µg/kg dry	6.5	4.3	1		"		"		х
75-15-0	Carbon disulfide	< 13.0		µg/kg dry	13.0	4.0	1		"		"		х
56-23-5	Carbon tetrachloride	< 6.5		µg/kg dry	6.5	5.3	1		"		"		х
108-90-7	Chlorobenzene	< 6.5		µg/kg dry	6.5	1.0	1		"		"		х
75-00-3	Chloroethane	< 13.0		µg/kg dry	13.0	3.6	1		"		"	"	Х
67-66-3	Chloroform	< 6.5		µg/kg dry	6.5	2.1	1		"		"		х
74-87-3	Chloromethane	< 13.0		µg/kg dry	13.0	2.7	1		"		"		х
124-48-1	Dibromochloromethane	< 6.5		µg/kg dry	6.5	4.4	1		"		"		х
95-50-1	1,2-Dichlorobenzene	< 6.5		µg/kg dry	6.5	1.1	1		"		"	"	Х
541-73-1	1,3-Dichlorobenzene	< 6.5		µg/kg dry	6.5	1.3	1		"		"		х
106-46-7	1,4-Dichlorobenzene	< 6.5		µg/kg dry	6.5	1.6	1		"		"	"	Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 13.0		µg/kg dry	13.0	2.2	1	u		"	"	"	х
75-34-3	1,1-Dichloroethane	< 6.5		µg/kg dry	6.5	4.2	1		"		"		х
107-06-2	1,2-Dichloroethane	< 6.5		µg/kg dry	6.5	1.6	1		"		"		х
75-35-4	1,1-Dichloroethene	< 6.5		µg/kg dry	6.5	4.9	1		"		"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 6.5		µg/kg dry	6.5	2.4	1		"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 6.5		µg/kg dry	6.5	3.4	1		"		"		х
78-87-5	1,2-Dichloropropane	< 6.5		µg/kg dry	6.5	3.4	1		"		"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 6.5		µg/kg dry	6.5	3.9	1		"	"	"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 6.5		µg/kg dry	6.5	3.4	1		"	"	"	"	х
100-41-4	Ethylbenzene	< 6.5		µg/kg dry	6.5	1.1	1		"	"	"	"	Х
591-78-6	2-Hexanone (MBK)	< 64.8		µg/kg dry	64.8	7.1	1		"	"	"	"	Х
98-82-8	Isopropylbenzene	< 6.5		µg/kg dry	6.5	1.2	1		"	"	"	"	х
99-87-6	4-Isopropyltoluene	< 6.5		µg/kg dry	6.5	6.1	1		"	"	"	"	Х
1634-04-4	Methyl tert-butyl ether	< 6.5		µg/kg dry	6.5	2.5	1		"	"	"	"	Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 64.8		µg/kg dry	64.8	12.2	1	u		"	"	"	х
75-09-2	Methylene chloride	< 13.0	O01	µg/kg dry	13.0	1.9	1	"	"		"	"	х
91-20-3	Naphthalene	< 6.5		µg/kg dry	6.5	5.9	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 6.5		µg/kg dry	6.5	6.3	1	"	"		"	"	х
100-42-5	Styrene	< 6.5		µg/kg dry	6.5	1.1	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 6.5		µg/kg dry	6.5	5.5	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 6.5		µg/kg dry	6.5	2.5	1	"	"		"	"	х
108-88-3	Toluene	< 6.5		µg/kg dry	6.5	1.5	1	"	"	"	"	"	х

Sample Id SB-22-19- SC06877-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date -Apr-15 13			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	ganic Compounds by SV												
	by method SW846 5035A						tial weight:	-					
71-55-6	1,1,1-Trichloroethane	< 6.5		µg/kg dry	6.5	1.7	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
79-00-5	1,1,2-Trichloroethane	< 6.5		µg/kg dry	6.5	4.7	1		"	"	"	"	Х
79-01-6	Trichloroethene	< 6.5		µg/kg dry	6.5	1.1	1		"	"	"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 6.5		µg/kg dry	6.5	3.5	1	"	"				х
95-63-6	1,2,4-Trimethylbenzene	< 6.5		µg/kg dry	6.5	1.6	1			"	"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 6.5		µg/kg dry	6.5	1.9	1			"	"	"	х
75-01-4	Vinyl chloride	< 6.5		µg/kg dry	6.5	2.4	1	"	"	"	"	"	х
179601-23-1	m,p-Xylene	< 13.0		µg/kg dry	13.0	1.3	1	"	"	"	"	"	х
95-47-6	o-Xylene	< 6.5		µg/kg dry	6.5	1.4	1		"		"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	80 %				"	"	"	
2037-26-5	Toluene-d8	105			70-13	80 %				"	"	"	
17060-07-0	1,2-Dichloroethane-d4	104			70-13	80 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	104			70-13	80 %		"	"		"	"	
	ganic Compounds by method SW846 5035A	Soil (low lovel)				Ini	ial weight:	6 0					
108-05-4	Vinyl acetate	< 50.2		ua/ka day	50.2	10.5	<u>iai weigini.</u> 1	<u>"</u>	05-May-1			1508644	
100-03-4		< 30.2		µg/kg dry	50.2	10.5	I		5			1508044	
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	108			70-13	80 %			"	"	"	"	
2037-26-5	Toluene-d8	95			70-13	80 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	112			70-13	80 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	96			70-13	80 %			"	"	"	"	
	y Identified Compounds b					Ini	iol woight:	4 55 a					
riepareu	by method SW846 5035A Tentatively Identified Compounds	None found		µg/kg dry		<u>11 11</u>	tial weight: 1	4.55 g SW846 8260C TICs	05-May-1 5	"	SJB	1508642	
General Cl	hemistry Parameters												
	% Solids	91.5		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Id SB-25-20 SC06877				<u>Client P</u> 2150	•		<u>Matrix</u> Soil		ection Date -May-15 11			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction			DT	1508570	
	Organic Compounds by SW							-					
	by method SW846 5035A				50.0		tial weight:	-			0.15	1500010	
67-64-1	Acetone	< 52.8		µg/kg dry	52.8	35.3	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	Х
71-43-2	Benzene	< 5.3		µg/kg dry	5.3	1.0	1	"		"	"	"	х
75-27-4	Bromodichloromethane	< 5.3		µg/kg dry	5.3	3.5	1				"		х
75-25-2	Bromoform	< 5.3		µg/kg dry	5.3	5.0	1		"	"	"		х
74-83-9	Bromomethane	< 10.6		µg/kg dry	10.6	3.0	1			"	"		х
78-93-3	2-Butanone (MEK)	< 52.8		µg/kg dry	52.8	6.3	1		"	"	"	"	Х
104-51-8	n-Butylbenzene	< 5.3		µg/kg dry	5.3	1.5	1		"	"	"		х
135-98-8	sec-Butylbenzene	< 5.3		µg/kg dry	5.3	4.1	1	"	"		"	"	х
98-06-6	tert-Butylbenzene	< 5.3		µg/kg dry	5.3	3.5	1		"	"	"	"	Х
75-15-0	Carbon disulfide	< 10.6		µg/kg dry	10.6	3.2	1			"	"		х
56-23-5	Carbon tetrachloride	< 5.3		µg/kg dry	5.3	4.3	1			"	"		х
108-90-7	Chlorobenzene	< 5.3		µg/kg dry	5.3	0.8	1		"	"	"	"	Х
75-00-3	Chloroethane	< 10.6		µg/kg dry	10.6	2.9	1		"	"	"	"	Х
67-66-3	Chloroform	< 5.3		µg/kg dry	5.3	1.8	1			"	"		х
74-87-3	Chloromethane	< 10.6		µg/kg dry	10.6	2.2	1			"	"		х
124-48-1	Dibromochloromethane	< 5.3		µg/kg dry	5.3	3.6	1		"	"	"	"	Х
95-50-1	1,2-Dichlorobenzene	< 5.3		µg/kg dry	5.3	0.9	1		"	"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 5.3		µg/kg dry	5.3	1.1	1			"	"		х
106-46-7	1,4-Dichlorobenzene	< 5.3		µg/kg dry	5.3	1.3	1		"	"	"	"	Х
75-71-8	Dichlorodifluoromethane (Freon12)	< 10.6		µg/kg dry	10.6	1.8	1	u	"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 5.3		µg/kg dry	5.3	3.4	1		"	"	"		х
107-06-2	1,2-Dichloroethane	< 5.3		µg/kg dry	5.3	1.3	1		"	"	"		х
75-35-4	1,1-Dichloroethene	< 5.3		µg/kg dry	5.3	4.0	1		"	"	"		х
156-59-2	cis-1,2-Dichloroethene	< 5.3		µg/kg dry	5.3	1.9	1		"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 5.3		µg/kg dry	5.3	2.8	1		"	"	"		х
78-87-5	1,2-Dichloropropane	< 5.3		µg/kg dry	5.3	2.8	1		"	"	"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 5.3		µg/kg dry	5.3	3.2	1		"		"		Х
10061-02-6	trans-1,3-Dichloropropene	< 5.3		µg/kg dry	5.3	2.8	1		"	"	"	"	Х
100-41-4	Ethylbenzene	< 5.3		µg/kg dry	5.3	0.9	1		"		"		Х
591-78-6	2-Hexanone (MBK)	< 52.8		µg/kg dry	52.8	5.8	1		"		"		Х
98-82-8	Isopropylbenzene	< 5.3		µg/kg dry	5.3	1.0	1		"	"	"	"	Х
99-87-6	4-Isopropyltoluene	< 5.3		µg/kg dry	5.3	5.0	1		"		"		Х
1634-04-4	Methyl tert-butyl ether	< 5.3		µg/kg dry	5.3	2.0	1		"	"	"	"	Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 52.8		µg/kg dry	52.8	9.9	1	u	"	"	"	"	Х
75-09-2	Methylene chloride	< 10.6	O01	µg/kg dry	10.6	1.5	1	"	"		"	"	х
91-20-3	Naphthalene	< 5.3		µg/kg dry	5.3	4.8	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 5.3		µg/kg dry	5.3	5.1	1	"	"		"	"	х
100-42-5	Styrene	< 5.3		µg/kg dry	5.3	0.9	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 5.3		µg/kg dry	5.3	4.5	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 5.3		µg/kg dry	5.3	2.0	1	"	"		"	"	х
108-88-3	Toluene	< 5.3		µg/kg dry	5.3	1.2	1	"	"	"	"	"	Х

Sample Id SB-25-20- SC06877-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date May-15 11			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SV by method SW846 50354					Ini	ial weight:	6 q					
71-55-6	1,1,1-Trichloroethane	< 5.3		µg/kg dry	5.3	1.4	1	SW846 8260C	05-May-1 5	05-May-1 5	SJB	1508642	х
79-00-5	1,1,2-Trichloroethane	< 5.3		µg/kg dry	5.3	3.8	1	"	"	"	"	"	х
79-01-6	Trichloroethene	< 5.3		µg/kg dry	5.3	0.9	1		"	"	"	"	х
75-69-4	Trichlorofluoromethane (Freon 11)	< 5.3		µg/kg dry	5.3	2.8	1	"	"	"	"	"	х
95-63-6	1,2,4-Trimethylbenzene	< 5.3		µg/kg dry	5.3	1.3	1		"		"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 5.3		µg/kg dry	5.3	1.5	1		"	"	"	"	х
75-01-4	Vinyl chloride	< 5.3		µg/kg dry	5.3	1.9	1		"	"	"	"	х
179601-23-1	m,p-Xylene	< 10.6		µg/kg dry	10.6	1.0	1		"	"	"	"	х
95-47-6	o-Xylene	< 5.3		µg/kg dry	5.3	1.1	1	"	"	"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	80 %			"	"	"	"	
2037-26-5	Toluene-d8	105			70-13	80 %				"	"	"	
17060-07-0	1,2-Dichloroethane-d4	103			70-13	80 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	106			70-13	80 %			"	"	"	"	
	rganic Compounds by method SW846 50354	A Soil (low level)				Ini	ial weight:	6.28 a					
108-05-4	Vinyl acetate	< 50.7		µg/kg dry	50.7	10.6	1	"	05-May-1 5		"	1508644	
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	106			70-13	80 %			"	"	"	"	
2037-26-5	Toluene-d8	95			70-13	80 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	111			70-13	80 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	98			70-13	80 %			"		"	"	
	y Identified Compounds b by method SW846 5035/					Ini	ial weight:	<u>6 g</u>					
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8260C TICs	05-May-1 5	"	SJB	1508642	
General C	hemistry Parameters												
	% Solids	89.2		%			1	SM2540 G Mod.	04-May-1 5	04-May-1 5	DT	1508564	

Sample Id Trip Blan SC06877-					Project <u>#</u> 0606		<u>Matrix</u> Aqueous		ection Date -May-15 00			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	organic Compounds												
	organic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	< 10.0		µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	< 1.0		µg/l	1.0	0.2	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 0.5		µg/l	0.5	0.2	1		"	"	"	"	х
75-25-2	Bromoform	< 1.0		µg/l	1.0	0.3	1				"	"	х
74-83-9	Bromomethane	< 2.0		µg/l	2.0	0.5	1		"	"	"	"	х
78-93-3	2-Butanone (MEK)	< 10.0		µg/l	10.0	1.2	1		"	"	"	"	х
104-51-8	n-Butylbenzene	< 1.0		µg/l	1.0	0.3	1		"		"		х
135-98-8	sec-Butylbenzene	< 1.0		µg/l	1.0	0.2	1		"		"		х
98-06-6	tert-Butylbenzene	< 1.0		µg/l	1.0	0.2	1		"		"		х
75-15-0	Carbon disulfide	< 2.0		µg/l	2.0	0.3	1		"		"		х
56-23-5	Carbon tetrachloride	< 1.0		µg/l	1.0	0.2	1		"		"		х
108-90-7	Chlorobenzene	< 1.0		µg/l	1.0	0.2	1		"		"		х
75-00-3	Chloroethane	< 2.0		µg/l	2.0	0.4	1		"		"		х
67-66-3	Chloroform	< 1.0		µg/l	1.0	0.4	1		"		"		х
74-87-3	Chloromethane	< 2.0		µg/l	2.0	0.3	1		"		"		х
124-48-1	Dibromochloromethane	< 0.5		µg/l	0.5	0.2	1		"		"		х
95-50-1	1,2-Dichlorobenzene	< 1.0		µg/l	1.0	0.2	1		"		"		х
541-73-1	1,3-Dichlorobenzene	< 1.0		µg/l	1.0	0.2	1		"		"		х
106-46-7	1,4-Dichlorobenzene	< 1.0		µg/l	1.0	0.2	1				"		х
75-34-3	1,1-Dichloroethane	< 1.0		μg/l	1.0	0.2	1				"		х
107-06-2	1,2-Dichloroethane	< 1.0		µg/l	1.0	0.2	1				"		х
75-35-4	1,1-Dichloroethene	< 1.0		µg/l	1.0	0.3	1				"		х
156-59-2	cis-1,2-Dichloroethene	< 1.0		µg/l	1.0	0.2	1				"		х
156-60-5	trans-1,2-Dichloroethene	< 1.0		μg/l	1.0	0.2	1				"		х
78-87-5	1,2-Dichloropropane	< 1.0		µg/l	1.0	0.1	1				"		х
10061-01-5	cis-1,3-Dichloropropene	< 0.5		µg/l	0.5	0.2	1				"		х
10061-02-6	trans-1,3-Dichloropropene	< 0.5		μg/l	0.5	0.3	1				"		х
100-41-4	Ethylbenzene	< 1.0		µg/l	1.0	0.2	1				"		х
591-78-6	2-Hexanone (MBK)	< 10.0		µg/l	10.0	0.5	1				"		х
98-82-8	Isopropylbenzene	< 1.0		µg/l	1.0	0.2	1				"		х
99-87-6	4-Isopropyltoluene	< 1.0		µg/l	1.0	0.4	1				"		х
1634-04-4	Methyl tert-butyl ether	< 1.0		µg/l	1.0	0.2	1	•			"	"	х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 10.0		µg/l	10.0	0.7	1	'n			"	"	х
75-09-2	Methylene chloride	< 2.0		µg/l	2.0	0.3	1	"	"		"	"	х
91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.4	1		"		"		х
103-65-1	n-Propylbenzene	< 1.0		µg/l	1.0	0.2	1		"		"		х
100-42-5	Styrene	< 1.0		μg/l	1.0	0.2	1	"			"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.5		μg/l	0.5	0.3	1	"			"	"	х
127-18-4	Tetrachloroethene	< 1.0		μg/l	1.0	0.6	1	"			"	"	х
108-88-3	Toluene	< 1.0		μg/l	1.0	0.3	1	"			"	"	х
71-55-6	1,1,1-Trichloroethane	< 1.0		μg/l	1.0	0.2	1	"	"		"	"	х
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
				r3''		<b>v</b> . 1							

<u>Sample Id</u> Trip Blan SC06877-					<u>Project #</u> )606		<u>Matrix</u> Aqueous		ection Date -May-15 00			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.0		µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	Х
95-63-6	1,2,4-Trimethylbenzene	< 1.0		µg/l	1.0	0.4	1		"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 1.0		µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 1.0		µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	< 2.0		µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 1.0		µg/l	1.0	0.5	1	"		"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %			"		"		
2037-26-5	Toluene-d8	98			70-13	0 %			"		"		
17060-07-0	1,2-Dichloroethane-d4	94			70-13	0 %			"	"	"	"	
1868-53-7	Dibromofluoromethane	97			70-13	0 %		"	"	"	"	"	
	rganic Compounds by method SW846 5030 \	Nater MS											
108-05-4	Vinyl acetate	< 10.0		µg/l	10.0	9.56	1		08-May-1 5	"	"	1508955	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %				"	"		
2037-26-5	Toluene-d8	100			70-13	0 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	100			70-13	0 %			"	"	"		
1868-53-7	Dibromofluoromethane	103			70-13	0 %			"	"	"	"	
	y Identified Compounds b by method SW846 5030 \												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5		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	<i>SB-23-17-18</i>	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
RDU	Relative Percent Difference

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.

<u>Matrix Spike</u>: 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.

<u>Method Blank</u>: 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.

<u>Method Detection Limit (MDL)</u>: 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.

<u>Reportable Detection Limit (RDL)</u>: 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.

<u>Surrogate</u>: 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.

<u>Continuing Calibration Verification</u>: 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

Specific Handling:     Specific Handling:     Specific Handling:     Specific Handling:       Normalization     Hinkings DNs     Bills Carp Area     Bills Carp Area     Bills Carp Area       Normalization     Agent To:     Normalization     Bills Carp Area     Bills Carp Area       And Bills     Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area       And Bills     Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area       Second Table Distribution     Bills Carp Area     Bills Carp Area     Bills Carp Area       Second Table Distribution     Bills Carp Area     Bills Carp Area     Bills Carp Area       Second Table Distribution     Bills Carp Area     Bills Carp Area     Bills Carp Area       Second Table Distribution     Bills Carp Area     Bills Carp Area     Bills Carp Area       Second Table Distribution     Bills Carp Area     Bills Carp Area     Bills Carp Area       Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area       Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area       Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area     Bills Carp Area       Bills Carp Area     Bills Carp Area     Bills Carp Area     B	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Revised Feb 2013	-		tical.com	-analy	www.spectrum-analytical.com	WWV					i T
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$M_{and Maxter       CHAIN OF CUSTODY RECORDAgavam, MA 01001       rational state and state and$	Sample Id:       Date:       Time:       Type       Time:       Type       Time:       Type       Matrix       Page 1 of 2 In Amagen Drive       Sample Id:       CHAIN OF CUSTODY RECORD (413) 789-9018       Time:       Type       Matrix       Hangen Drive       Bage 1 of 3 Interview       Time:       Type       Matrix       Hangen Drive       Bage 1 of 3 Interview       Time:       Time:       Type       Matrix       Handware       Interview       Interview       Interview       Interview       Matrix       Interview       Interview <thinterview< th="">       Interview       <thinterview< th=""></thinterview<></thinterview<>		*			2	0	_	1100	-	5-4-5	17-1 50-	661
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Sector       CHAIN OF CUSTODY RECORD       TAT- Ind ic         11 Almgren Drive       11 Almgren Drive       8405 Benjamin Road, Ste A       646 Camp Avenue       All TATs         Ann MolA       Chautakortica, INC.       (413) 789-9018       8405 Benjamin Road, Ste A       646 Camp Avenue       All TATs         Ann MolA       Chautakortica, INC.       (413) 789-9018       18 8405 Benjamin Road, Ste A       646 Camp Avenue       All TATs         Ann MolA       Chautakortica, Inc.       (413) 789-9018       18 8405 Benjamin Road, Ste A       646 Camp Avenue       All TATs         Min. 24-he       Agawan, MA 01001       (813) 888-9507       0401) 732-3400       Samples di         Min. 24-he       Invoice To:       MICULIP Claud Sell       N Kingstown, RI 02852       otherwise         Min. 24-he       Invoice To:       MICULIP Claud Sell       Project No. X 15 D & D & S       Ste N = Cor WWG         Kico Ciccle Site No. Y He       H       Endet       Project No. X 15 D & D & S       Ste N = Cor WWG         Kico Ciccle Site No. Y He       HO. No.: A 15 D & D & S       Ste N = Cor WWG       Sampler(s):       An UN         Kico Ciccle Site No. Y He       HO. No.: A 15 D & D & S       Sampler(s):       An UN	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	QA/QC Reporting Notes:	t preservative code below:	List	,OH	7=CH	bic Acid 12=	6=Ascor	5=NaOH 11=		2=HCl 3=H ₂ SO ₄ = Deionized Water	S203	
AMALYTICAL, INC.       CHAIN OF CUSTODY RECORD       TAT- Ind ic         ANALYTICAL, INC.       11 A Imgren Drive       18405 Benjamin Road, Ste A       1646 Camp Avenue       TAT- Ind ic         ANALYTICAL, INC.       Agawam, MA 01001       18405 Benjamin Road, Ste A       1646 Camp Avenue       All TATs         ANALYTICAL, INC.       (413) 789-9018       18405 Benjamin Road, Ste A       1646 Camp Avenue       All TATs         All TATs       (413) 789-9018       (813) 888-9507       N Kingstown, RI 02852       Min. 24-he         All TATs       (413) 789-9018       (813) 888-9507       N Kingstown, RI 02852       Samples di         Na(L Anau Akbelapc.com       Invoice To:       Mc (L) (P (LauSel))       Project No. 2 (S D & D & S)       Samples di         Stie Name:       Cor (Wing       Site Name:       Cor (Wing         Stie Name:       Cor (Wing       Location:       Site Name:       Cor (Wing	Image: Stephen Service       CHAIN OF CUSTODY RECORD       Tampa, FL 33634       All TATs         MALATTICAL, INC.       11 Almgren Drive       18405 Benjamin Road, Ste A       1646 Camp A venue       All TATs         MALATTICAL, INC.       (413) 789-9018       18405 Benjamin Road, Ste A       1646 Camp A venue       All TATs         Min. 24-he       Agawam, MA 01001       18405 Benjamin Road, Ste A       1646 Camp A venue       All TATs         Min. 24-he       All TATs       (413) 789-9018       (813) 888-9507       NKingstown, RI 02852       All TATs         No(1       Chost Abbellapc.com       Invoice To:       MICUIN ClauSch       NKingstown, RI 02852       otherwise         No(2)       Chost Abbellapc.com       Invoice To:       MICUIN ClauSch       Project No.2 15 D G 2         Stie Name:       Corr MUNG       Site Name:       Corr MUNG         Stie Name:       Corr MUNG       Site Name:       Corr MUNG	quilina	X	Sar		RQN:	9096	5	P.O. No	101.0	N Nall	DA	
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sco  $X_{l=}$ O=Oil SW= Surface Water DW=Drinking Water GW=Groundwater Project Mgr. Telephone #: Report To: Dan Noll Lab Id: ANTEL MILLING 8 8= NaHSO₄ 5 6 2 ~ 1=Na2S2O3 30 Relinquished by: Rocha SPECTRUM ANALYTICAL, INC SB 20-21-20-23-ALT 20-7-8 56-17-19-20 D1-95 50-17-25-3 513-20-12-137 Featuring HANIBAL TECHNOLOGY -1- W- US 51-41-61-05 200 9= Deionized Water 17-6-8 Sample Id: G=Grab 2 = HC17-5-4 aciquitine 2 and laper on AN X2= 5  $3=H_2SO_4$ Anolia abellanci dam 2. SO=Soil C=Composite a 0 4614 2 2 610 4129 10=H3PO4 4=HNO₃ SL=Sludge 00 130 Date: WW=Wastewater Agawam, MA 01001 □ 11 Almgren Drive X3= (413) 789-9018 5 115 610:0 eceived by: う 5=NaOH 1440 1720 11= 1350 A=Air 041 0/ 12 1305 1440 Time: 570 018 P.O. No.: 6=Ascorbic Acid OF 5 5 0 0 Type 8405 Benjamin Road, Ste A SURO miche lle S 33 02 Page 2 S 3 50 C CUSTODY 0 2 Matrix 5 Tampa, FL 33634 (813) 888-9507 12= Date: -SN 2 N J N N N # of VOA Vials YRQN: 2) 7=CH₃OH # of Amber Glass N Containers: of # of Clear Glass Jawes Time: # of Plastic A REC CPSI + TEL VOE + 10 TICS CPSI + TEL SUCCHOTIS RERA METALS N Kingstown, RI 02852 × × X XX 7 □ 646 Camp Avenue 56 Temp°C 6 0 (401) 732-3400 Site Name: ( 4 List preservative code below: Project No .: Sampler(s): Location: + × 0687 E-mail to ~ EDD Format × Condition upon receipt: Custody Seals: APresent A Intact Broken × × RD Cyanido Analyses: thin R 21110 PCB arn add hili nad Mesticide TAT- Ind icate Date Needed: 2 00000 All TATs subject to laboratory approval Samples disposed of after 60 days unless Min. 24-hour notification needed for rushes otherwise instructed. 1 W 2 T 000 あるう Special Handling: AJat 170CD けっこう F15 State-specific reporting standards. ling TOPO □ Other □ Level III Level I QA/QC Reporting Notes: QA/QC Reporting Level a vellage con 5 State: 0 Level IV Level II 6 bar  $\hat{\beta}_{ij}$ 

www.spectrum-analytical.com

Revised Feb 2013

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Report Date: 15-May-15 16:18



Project: Corning Hospital, NY

Project #: 2150606

Final ReportRe-Issued ReportRevised Report

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

Laboratory ID	<u>Client Sample ID</u>	<u>Matrix</u>	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:

Aliole 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 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.

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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 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-BSD1 1508958-BSD1 1508958-MSD1 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-BSD1 1509127-BSD1 1509127-MSD1 1509127-MSD1 MW-06 MW-07 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.

Were custody seals present?	$\checkmark$
Were custody seals intact?	$\checkmark$
Were samples received at a temperature of $\leq 6^{\circ}$ C?	$\checkmark$
Were samples cooled on ice upon transfer to laboratory representative?	$\checkmark$
Were sample containers received intact?	$\checkmark$
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	$\checkmark$
Were samples accompanied by a Chain of Custody document?	$\checkmark$
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?	$\checkmark$

Yes	<u>No</u>	<u>N/A</u>
$\checkmark$		
	$\checkmark$	
$\checkmark$		

Sample Id Sump 1	07069-04				<u>Project #</u> 0606		<u>Matrix</u> Sump Wat		ection Date -May-15 10			<u>ceived</u> May-15	
SC07069-	-04			215	5000		Sump Wu		Whay 15 IC	5.50	07 1	indy 15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Irganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	8 X
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1		"		"	"	х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1		"	"	"		Х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"		Х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		Х
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
108-90-7	Chlorobenzene	< 0.2	U	μg/l	1.0	0.2	1		"	"	"	"	х
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		х
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		Х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		Х
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"		"	"	х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		Х
156-59-2	cis-1,2-Dichloroethene	0.2	J	µg/l	1.0	0.2	1		"	"	"		Х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1		"	"	"		Х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		Х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1		"	"	"		Х
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1		"	"	"	"	Х
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"	"	Х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	n	"	"	х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		Х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		Х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"		"	"	х
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"		"	"	х
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-01-6	Trichloroethene	24.4		µg/l	1.0	0.4	1	"	"		"	"	х

Sample Id Sump 1 SC07069-	lentification 04				Project <u>#</u> 0606		<u>Matrix</u> Sump Wa		ection Date -May-15 1(			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"			"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	102			70-13	0%				"	"		
2037-26-5	Toluene-d8	99			70-13	0 %			"		"		
17060-07-0	1,2-Dichloroethane-d4	94			70-13	0 %			"		"	"	
1868-53-7	Dibromofluoromethane	96			70-13	0 %			"		"		
	rganic Compounds by method SW846 5030 \	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1		08-May-1 5	"	"	1508955	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	102			70-13	0 %			"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0 %			"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	100			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	102			70-13	0 %			"	"	"	"	
	y Identified Compounds b by method SW846 5030 \												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5	"	SJB	1508958	

SB-35-0-4	SC07069-07			<u>Client Project #</u> 2150606			<u>Matrix</u> Soil	Collection Date/Time 05-May-15 11:45				<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/700	0 Series Methods											
7440-22-4	Silver	0.299	J	mg/kg dry	1.87	0.137	1	SW846 6010C	13-May-1 5	14-May-1 5	TBC	1509214	Х
7440-38-2	Arsenic	12.5		mg/kg dry	1.87	0.302	1	"	"	"	"	"	х
7440-39-3	Barium	274		mg/kg dry	1.25	0.0740	1	"	"	"	"		х
7440-43-9	Cadmium	0.513	J	mg/kg dry	0.623	0.0199	1		"	"	"	"	х
7440-47-3	Chromium	22.8		mg/kg dry	1.25	0.119	1	"	"	"	"	"	х
7439-97-6	Mercury	3.62	GS1, D	mg/kg dry	0.771	0.0504	20	SW846 7471B	14-May-1 5	15-May-1 5	YR	1509215	Х
7439-92-1	Lead	435		mg/kg dry	1.87	0.344	1	SW846 6010C	13-May-1 5	14-May-1 5	TBC	1509214	Х
7782-49-2	Selenium	< 0.936	R01, U, D	mg/kg dry	3.74	0.936	2	n	"	15-May-1 5	"	1509546	Х
General C	hemistry Parameter	rs											
	% Solids	70.5		%			1	SM2540 G Mod.	07-May-1 5	07-May-1 5	DT	1508853	

Sample Id MW-08 SC07069-	<u>lentification</u> -09				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 15			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds rganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"			"	"	х
75-25-2	Bromoform	< 0.3	U	μg/l	1.0	0.3	1			"	"		х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1		"		"		Х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"		"		Х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		х
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1			"			х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1			"	"		х
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1			"	"		х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1			"	"		х
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1				"		х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1						х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	μg/l	0.5	0.2	1				"		х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	μg/l	0.5	0.3	1				"		х
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1			"	"		х
98-82-8	Isopropylbenzene	< 0.2	U	μg/l	1.0	0.2	1				"		х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1			"	"		х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	μg/l	1.0	0.2	1				"		х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"		"	"	х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1		"	"			Х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1			"	"		х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
100-42-5	Styrene	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"	"	х
127-18-4	Tetrachloroethene	< 0.6	U	µg/l	1.0	0.6	1	"	"	"	"	"	х
108-88-3	Toluene	0.6	J	µg/l	1.0	0.3	1	"	"		"	"	х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
79-01-6	Trichloroethene	0.4	J	µg/l	1.0	0.4	1	"	"		"	"	х

<u>Sample Id</u> <b>MW-08</b> SC07069-	07069-09				<u>Project #</u> )606	<u>Matrix</u> Ground Water			ection Date -May-15 15			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	Х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	0.7	J	µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %				"	"		
2037-26-5	Toluene-d8	100			70-13	0 %					"		
17060-07-0	1,2-Dichloroethane-d4	92			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	96			70-13	0 %					"		
	rganic Compounds by method SW846 5030 \	Nater MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1		08-May-1 5	"	"	1508955	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %			"	"	"		
2037-26-5	Toluene-d8	101			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	98			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	102			70-13	0 %		"		"	"		
	V Identified Compounds by method SW846 5030												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5	"	SJB	1508958	

Sample Id MW-12	dentification				Project #		<u>Matrix</u>		ection Date			<u>eceived</u>	
SC07069-	-10			2150	0606		Ground Wa	ater 05	-May-15 15	5:50	0/-	May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds rganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	5.2	J	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"			"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1			"	"		х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1		"		"		х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1	"		"	"	"	х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1			"	"		х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		Х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1			"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		х
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		х
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		х
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1		"	"	"		Х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1		"	"	"		х
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1		"	"	"		Х
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		Х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"		х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"		"	"	х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"		"	"	х
127-18-4	Tetrachloroethene	1.1		µg/l	1.0	0.6	1	"	"	"	"	"	х
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-01-6	Trichloroethene	5.1		µg/l	1.0	0.4	1	"		"	"	"	х

MW-12	207069-10				Project <u>#</u> 0606	<u>Matrix</u> Ground Water			ection Date -May-15 15			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	103			70-13	0 %				"	"		
2037-26-5	Toluene-d8	101			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	93			70-13	0%				"	"		
1868-53-7	Dibromofluoromethane	94			70-13	0 %				"	"		
	rganic Compounds by method SW846 5030 \	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-1 5	"	"	1508955	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	104			70-13	0%			"	"	"		
2037-26-5	Toluene-d8	102			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	98			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	100			70-13	0 %		"		"	"		
	y Identified Compounds b by method SW846 5030 \												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5		SJB	1508958	

Sample Ic Blind Du SC07069-					<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 00			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SW												
Prepared 67-64-1	by method SW846 5030 V				10.0	0.5	4	014/04/0 00000	00 March	00 14	0.10	4500050	Ň
07-04-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	Х
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"			"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	μg/l	0.5	0.2	1	"	"	"	"	"	х
75-25-2	Bromoform	< 0.3	U	μg/l	1.0	0.3	1	"	"	"	"	"	х
74-83-9	Bromomethane	< 0.5	U	μg/l	2.0	0.5	1	"	"	"	"	"	Х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"	"	Х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	Х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	х
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1	"	"		"	"	Х
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1	"		"	"	"	Х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1						Х
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 75-34-3	1,4-Dichlorobenzene	< 0.2	U U	µg/l	1.0	0.2	1						X
107-06-2	1,1-Dichloroethane	< 0.2	U	µg/l	1.0 1.0	0.2 0.2	1 1						x x
75-35-4	1,1-Dichloroethene	< 0.2 < 0.3	U	µg/l µg/l	1.0	0.2	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	< 0.2 < 0.1	U	μg/l	1.0	0.2	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	"	"		"	"	х
98-82-8	Isopropylbenzene	< 0.2	U	μg/l	1.0	0.2	1						х
99-87-6	4-Isopropyltoluene	< 0.4	U	μg/l	1.0	0.4	1				"	"	х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1		"	"	"	"	Х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"		"	"	х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"	"		"	"	х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"		"	"	х
127-18-4	Tetrachloroethene	1.1		µg/l	1.0	0.6	1	"	"	"	"	"	х
108-88-3	Toluene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	Х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	Х
79-01-6	Trichloroethene	5.0		µg/l	1.0	0.4	1	"	"	"	"	"	х

Sample Id Blind Duj SC07069-	•				Project <u>#</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 00			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW												
	by method SW846 5030 \	<u>Nater MS</u>											
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	Х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	μg/l	1.0	0.9	1			"	"		Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	101			70-13	0 %				"	"		
2037-26-5	Toluene-d8	99			70-13	0 %				"		"	
17060-07-0	1,2-Dichloroethane-d4	92			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	95			70-13	0 %			"	"	"	"	
	rganic Compounds												
	by method SW846 5030 \	Nater MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	08-May-1 5	u	"	1508955	Х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	101			70-13	0 %		"		"		"	
2037-26-5	Toluene-d8	100			70-13	0 %		"		"		"	
17060-07-0	1,2-Dichloroethane-d4	98			70-13	0 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	101			70-13	0 %				"	"		
	y Identified Compounds by method SW846 5030												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5	"	SJB	1508958	

Sample Ic MW-03 SC07069-	dentification				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 07			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds rganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	Х
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1			"	"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1			"	"	"	х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1			"	"	"	х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"		х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1			"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1			"	"		х
67-66-3	Chloroform	< 0.4	U	µg/l	1.0	0.4	1			"	"		х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1			"	"		х
124-48-1	Dibromochloromethane	< 0.2	U	μg/l	0.5	0.2	1			"	"		х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	μg/l	1.0	0.2	1		"	"	"		х
75-34-3	1,1-Dichloroethane	< 0.2	U	μg/l	1.0	0.2	1			"			х
107-06-2	1,2-Dichloroethane	< 0.2	U	μg/l	1.0	0.2	1		"	"	"		х
75-35-4	1,1-Dichloroethene	< 0.3	U	μg/l	1.0	0.3	1			"			х
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
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			"	"		х
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	u			"	"	х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1			"			х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1			"	"		х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"			х
100-42-5	Styrene	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	μg/l	0.5	0.3	1	"		"	"	"	х
127-18-4	Tetrachloroethene	< 0.6	U	μg/l	1.0	0.6	1	"		"	"	"	х
108-88-3	Toluene	< 0.3	U	μg/l	1.0	0.3	1	"	"	"	"	"	х
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

<u>Sample Id</u> <b>MW-03</b> SC07069-	lentification 12				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 07			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"		х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"	"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	Х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %				"	"		
2037-26-5	Toluene-d8	100			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	93			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	99			70-13	0 %				"	"		
	rganic Compounds by method SW846 5030 \	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	n	08-May-1 5	"	"	1508955	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %				"	"		
2037-26-5	Toluene-d8	101			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	99			70-13	0 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	104			70-13	0 %				"	"		
	y Identified Compounds b by method SW846 5030 \												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5		SJB	1508958	

Sample Ic MW-04 SC07069-	dentification				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 09			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Irganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	< 0.2	U	μg/l	1.0	0.2	1				"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1			"	"		х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1			"	"		х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1			"	"		х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1			"	"		х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1				"		х
75-15-0	Carbon disulfide	< 0.3	U	μg/l	2.0	0.3	1			"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
108-90-7	Chlorobenzene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
75-00-3	Chloroethane	< 0.4	U	μg/l	2.0	0.4	1			"	"		х
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	< 0.2	U	μg/l	1.0	0.2	1						x
156-59-2	cis-1,2-Dichloroethene	< 0.2	U		1.0	0.3	1						
156-60-5	trans-1,2-Dichloroethene	< 0.2 < 0.2	U	µg/l	1.0	0.2	1						X X
78-87-5	1,2-Dichloropropane	< 0.2 < 0.1	U	µg/l	1.0	0.2	1						
10061-01-5		< 0.1	U	µg/l	0.5		1						x x
10061-01-5	cis-1,3-Dichloropropene	< 0.2 < 0.3	U	µg/l	0.5	0.2	1						
100-41-4	trans-1,3-Dichloropropene			µg/l		0.3	1						X
	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
1634-04-4 108-10-1	Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK)	< 0.2 < 0.7	U U	µg/l µg/l	1.0 10.0	0.2 0.7	1 1	n	"		"	"	x x
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1			"			х
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	< 0.2 < 0.3	U		0.5	0.2	1						×
127-18-4	Tetrachloroethene	< 0.3 < 0.6	U	µg/l µg/l	1.0	0.5	1						x
127-16-4		< 0.6 < 0.3	U		1.0	0.6							x
71-55-6	Toluene		U	µg/l			1						
	1,1,1-Trichloroethane	< 0.2		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						Х

<u>Sample Id</u> <b>MW-04</b> SC07069-	entification 13				<u>Project #</u> 0606		<u>Matrix</u> Ground W		ection Date -May-15 09			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"		х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"		х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"	"	х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	0%				"	"		
2037-26-5	Toluene-d8	101			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	92			70-13	0%				"	"		
1868-53-7	Dibromofluoromethane	97			70-13	0 %				"	"		
	r <u>ganic Compounds</u> by method SW846 5030 V	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	n	08-May-1 5	"	"	1508955	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0%		"	"	"	"	"	
2037-26-5	Toluene-d8	102			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	98			70-13	0%		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-13	0 %				"	"		
	v Identified Compounds b by method SW846 5030												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5	"	SJB	1508958	

Sample Io MW-09 SC070694	lentification				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 1(			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Irganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	< 2.5	U	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	< 0.2	U	μg/l	1.0	0.2	1		"		"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1			"	"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1	"			"	"	х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1			"	"		х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1			"	"		х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1			"	"		х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1			"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	μg/l	1.0	0.2	1				"		х
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"			х
75-00-3	Chloroethane	< 0.4	U	μg/l	2.0	0.4	1			"	"		х
67-66-3	Chloroform	< 0.4	U	μg/l	1.0	0.4	1			"			х
74-87-3	Chloromethane	< 0.3	U	μg/l	2.0	0.3	1			"	"		х
124-48-1	Dibromochloromethane	< 0.2	U	μg/l	0.5	0.2	1		"	"	"		х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	μg/l	1.0	0.2	1			"	"		х
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	0.2	1				"		x
100-41-4	Ethylbenzene	< 0.2	U	μg/l	1.0	0.2	1						x
591-78-6	2-Hexanone (MBK)	< 0.2	U	μg/l	10.0	0.2	1						x
98-82-8	Isopropylbenzene	< 0.2	U	μg/l	1.0	0.2	1						x
99-87-6	4-Isopropyltoluene	< 0.2	U	μg/l	1.0	0.2	1						x
1634-04-4	Methyl tert-butyl ether	< 0.4 < 0.2	U		1.0	0.4	1						x
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.2	U	µg/l µg/l	10.0	0.2	1	"	"	"	"	"	x
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1			"			х
91-20-3	Naphthalene	< 0.4	U	μg/l	1.0	0.4	1	"			"	"	х
103-65-1	n-Propylbenzene	< 0.2	U	μg/l	1.0	0.2	1			"			х
100-42-5	Styrene	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
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	< 0.2 3.8	-	µg/l	1.0	0.2	1	"	"		"		x
		0.0		P9/1	1.0	0.7	'						~

Sample Id MW-09 SC07069-	entification 14				<u>Project #</u> 0606		<u>Matrix</u> Ground W		ection Date -May-15 10			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SV by method SW846 5030												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"		"	"		х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1			"	"		х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1			"	"		х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1			"	"		х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	100			70-13	0 %		"		"	"		
2037-26-5	Toluene-d8	99			70-13	0 %		"		"	"		
17060-07-0	1,2-Dichloroethane-d4	91			70-13	0 %		"		"	"		
1868-53-7	Dibromofluoromethane	94			70-13	0 %		"		"	"		
	rganic Compounds by method SW846 5030	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	n	08-May-1 5		"	1508955	Х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	100			70-13	0 %		"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0 %		"		"	"	"	
17060-07-0	1,2-Dichloroethane-d4	97			70-13	0 %		"		"	"		
1868-53-7	Dibromofluoromethane	99			70-13	0 %		"		"	"	"	
	v Identified Compounds b by method SW846 5030												
75-37-6	Ethane, 1,1-difluoro-	3.1	TIC	µg/l			1	SW846 8260C TICs	08-May-1 5		SJB	1508958	

Sample Id MW-10 SC07069-	dentification				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 11			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
67-64-1	by method SW846 5030 V Acetone	3.4	J	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	μg/l	0.5	0.2	1	"			"		х
75-25-2	Bromoform	< 0.3	U	μg/l	1.0	0.3	1				"		х
74-83-9	Bromomethane	< 0.5	U	μg/l	2.0	0.5	1				"		х
78-93-3	2-Butanone (MEK)	< 1.2	U	μg/l	10.0	1.2	1				"		х
104-51-8	n-Butylbenzene	< 0.3	U	μg/l	1.0	0.3	1				"		х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1		"	"	"		х
75-15-0	Carbon disulfide	< 0.3	U	μg/l	2.0	0.3	1			"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	μg/l	1.0	0.2	1				"		х
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	0.2	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	< 0.2	U		1.0	0.2	1						x
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l µg/l	0.5	0.2	1						x
10061-02-6	trans-1,3-Dichloropropene	< 0.2	U	μg/l	0.5	0.2	1						x
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.3	1						x
591-78-6	2-Hexanone (MBK)	< 0.2	U	μg/l	10.0	0.2	1						x
98-82-8	Isopropylbenzene	< 0.2	U	μg/l	1.0	0.2	1						x
99-87-6	4-Isopropyltoluene	< 0.2	U	µg/l	1.0	0.2	1						x
1634-04-4	Methyl tert-butyl ether	< 0.4	U		1.0	0.4	1						x
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.2	U	µg/l µg/l	10.0	0.2	1	"	"		"	"	x
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1			"			х
91-20-3	Naphthalene	< 0.4	U	μg/l	1.0	0.4	1	"			"	"	х
103-65-1	n-Propylbenzene	< 0.2	U	μg/l	1.0	0.2	1	"			"	"	х
100-42-5	Styrene	< 0.2	U	μg/l	1.0	0.2	1	"			"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	μg/l	0.5	0.3	1	"			"	"	х
127-18-4	Tetrachloroethene	< 0.6	U	μg/l	1.0	0.6	1	"	"		"	"	х
108-88-3	Toluene	< 0.3	U	μg/l	1.0	0.3	1	"	"		"	"	х
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

<u>Sample Id</u> <b>MW-10</b> SC07069-	lentification 15				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 11			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"		"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0%				"	"		
2037-26-5	Toluene-d8	102			70-13	0 %					"		
17060-07-0	1,2-Dichloroethane-d4	95			70-13	0%					"		
1868-53-7	Dibromofluoromethane	97			70-13	0 %					"		
	rganic Compounds by method SW846 5030 \	Nater MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1		08-May-1 5	"	"	1508955	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %		"		"	"		
2037-26-5	Toluene-d8	103			70-13	0 %		"		"	"		
17060-07-0	1,2-Dichloroethane-d4	100			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	103			70-13	0 %		"		"	"		
	y Identified Compounds b by method SW846 5030 \												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5	"	SJB	1508958	

Sample Ic MW-05 SC07069-	<u>dentification</u> -16				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 12			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Irganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	3.9	J	µg/l	10.0	2.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	х
71-43-2	Benzene	0.4	J	µg/l	1.0	0.2	1	"	"		"	"	х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1	"			"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1			"	"	"	х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1		"		"	"	Х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"	"	Х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1			"	"	"	Х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"	"	Х
98-06-6	tert-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"	"	Х
75-15-0	Carbon disulfide	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		Х
56-23-5	Carbon tetrachloride	< 0.2	U	µg/l	1.0	0.2	1			"	"		Х
108-90-7	Chlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"	"	Х
75-00-3	Chloroethane	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		Х
67-66-3	Chloroform	0.4	J	µg/l	1.0	0.4	1			"	"	"	Х
74-87-3	Chloromethane	< 0.3	U	µg/l	2.0	0.3	1		"	"	"		Х
124-48-1	Dibromochloromethane	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		Х
95-50-1	1,2-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1			"	"	"	Х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1			"	"	"	Х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1		"	"	"		Х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		Х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1		"	"	"	"	Х
100-41-4	Ethylbenzene	0.2	J	µg/l	1.0	0.2	1		"	"	"		Х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1		"	"	"	"	Х
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		Х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1			"	"	"	Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"		"	"	Х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		Х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	Х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	Х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"	"		"	"	х
127-18-4	Tetrachloroethene	0.9	J	µg/l	1.0	0.6	1	"	"		"	"	х
108-88-3	Toluene	0.4	J	µg/l	1.0	0.3	1	"	"	"	"	"	Х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"		"	"	х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	х
79-01-6	Trichloroethene	0.8	J	µg/l	1.0	0.4	1	"	"	"	"	"	х

<u>Sample Id</u> <b>MW-05</b> SC07069-	entification 16				<u>Project #</u> )606		<u>Matrix</u> Ground Wa		ection Date -May-15 12			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 \												
75-69-4	Trichlorofluoromethane (Freon 11)	< 0.5	U	µg/l	1.0	0.5	1	SW846 8260C	08-May-1 5	08-May-1 5	SJB	1508958	Х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"	"	Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0 %				"	"		
2037-26-5	Toluene-d8	99			70-13	0 %					"		
17060-07-0	1,2-Dichloroethane-d4	93			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	97			70-13	0 %					"		
	rganic Compounds by method SW846 5030 \	Nater MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1		08-May-1 5	"	"	1508955	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	100			70-13	0 %			"	"	"		
2037-26-5	Toluene-d8	100			70-13	0 %				"	"		
17060-07-0	1,2-Dichloroethane-d4	98			70-13	0 %				"	"		
1868-53-7	Dibromofluoromethane	102			70-13	0 %		"		"	"		
	V Identified Compounds by method SW846 5030												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	08-May-1 5	"	SJB	1508958	

Sample Id MW-06 SC07069-	lentification 17				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 12			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds rganic Compounds by SW by method SW846 5030 V												
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		"	"	"		х
75-27-4	Bromodichloromethane	< 0.2	U	μg/l	0.5	0.2	1		"	"	"	"	х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		х
74-83-9	Bromomethane	< 0.5	U	μg/l	2.0	0.5	1		"	"	"		х
78-93-3	2-Butanone (MEK)	1.5	J	μg/l	10.0	1.2	1				"		х
104-51-8	n-Butylbenzene	0.8	J	μg/l	1.0	0.3	1		"				х
135-98-8	sec-Butylbenzene	0.5	J	μg/l	1.0	0.2	1		"		"		х
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	< 0.2	U	µg/l	2.0	0.2	1						x
67-66-3	Chloroform	< 0.4	U		1.0	0.4	1						x
74-87-3				µg/l	2.0								
	Chloromethane	0.3	J	µg/l		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						Х
541-73-1	1,3-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1						Х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	Х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1		"	"	"	"	Х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1		"		"		Х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"	"	"	"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1		"	"	"		Х
100-41-4	Ethylbenzene	2.0		µg/l	1.0	0.2	1		"		"		Х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1		"		"		Х
98-82-8	Isopropylbenzene	2.0		µg/l	1.0	0.2	1		"	"	"		Х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"		х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	n	"	"	"	"	х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"		"	"	Х
91-20-3	Naphthalene	0.7	J	µg/l	1.0	0.4	1	"	"	"	"	"	х
103-65-1	n-Propylbenzene	2.6		µg/l	1.0	0.2	1	"			"	"	х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"			"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1		"		"	"	х
127-18-4	Tetrachloroethene	< 0.6	U	μg/l	1.0	0.6	1	"	"		"	"	х
108-88-3	Toluene	6.4		μg/l	1.0	0.3	1	"	"		"	"	х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	μg/l	1.0	0.2	1	"	"		"	"	х
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
		5.1	-	M3,1	1.5	0.7							~

<u>Sample Id</u> <b>MW-06</b> SC07069-	lentification 17				<u>Project #</u> 0606		<u>Matrix</u> Ground W		ection Date -May-15 12			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds rganic Compounds by SV by method SW846 5030												
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	х
95-63-6	1,2,4-Trimethylbenzene	13.3		µg/l	1.0	0.4	1	"	"	"	"		х
108-67-8	1,3,5-Trimethylbenzene	3.3		µg/l	1.0	0.9	1	"	"	"	"		х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1	"	"	"	"		х
179601-23-1	m,p-Xylene	7.8		µg/l	2.0	0.4	1	"	"	"	"		х
95-47-6	o-Xylene	2.9		µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate i	recoveries:												
460-00-4	4-Bromofluorobenzene	102			70-13	0%		"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13	0%		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	91			70-13	0%		"	"	"	"		
1868-53-7	Dibromofluoromethane	95			70-13	0%		"	"	"	"		
	rganic Compounds by method SW846 5030	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	n	11-May-15	"	"	1509128	х
Surrogate i	recoveries:												
460-00-4	4-Bromofluorobenzene	103			70-13	0 %		"	"		"	"	
2037-26-5	Toluene-d8	101			70-13	0%		"	"		"		
17060-07-0	1,2-Dichloroethane-d4	96			70-13	0%			"	"	"		
1868-53-7	Dibromofluoromethane	100			70-13	0%			"	"	"	"	
	y Identified Compounds b by method SW846 5030												
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	n	"	"	"	"	
611-14-3	Benzene, 1-ethyl-2-methyl-	4.4	TIC	µg/l			1	"	"	u	"	"	
000620-14-4	Benzene, 1-ethyl-3-methyl-	5.1	TIC	µg/l			1	"	"	u	"	"	
622-96-8	Benzene, 1-ethyl-4-methyl-	3.9	TIC	µg/l			1	u	"	"	"	"	
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	"	"	"	"	n	
000767-58-8	Indan, 1-methyl-	3.2	TIC	µg/l			1	"	"		"	"	

Sample Ic MW-07	lentification				Project #		<u>Matrix</u>		ection Date			<u>ceived</u>	
SC07069-	-18			2150	0606		Ground Wa	ater 06	-May-15 11	:00	0/-1	May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
<u>Volatile O</u>	rganic Compounds rganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	3.5	J	μg/l	10.0	2.5	1	SW846 8260C	11-Mav-15	11-May-15	SJB	1509127	х
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	"			"	"	х
75-25-2	Bromoform	< 0.3	U	μg/l	1.0	0.3	1	"					х
74-83-9	Bromomethane	< 0.5	U	μg/l	2.0	0.5	1	"					х
78-93-3	2-Butanone (MEK)	< 1.2	U	μg/l	10.0	1.2	1	"					х
104-51-8	n-Butylbenzene	< 0.3	U	μg/l	1.0	0.3	1	"		"	"	"	х
135-98-8	sec-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1	"			"		х
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		1.0	0.2	1						x
75-00-3	Chloroethane	< 0.2 < 0.4	U	µg/l	2.0	0.2	1	"			"		x
67-66-3	Chloroform		J	µg/l	1.0	0.4	1	"					x
74-87-3	Chloromethane	<mark>0.4</mark> < 0.3	U	µg/l	2.0	0.4	1	"			"		x
124-48-1			U	µg/l							"		
95-50-1	Dibromochloromethane	< 0.2		µg/l	0.5	0.2	1						X
	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						Х
106-46-7	1,4-Dichlorobenzene	< 0.2	U	µg/l	1.0	0.2	1						Х
75-34-3	1,1-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1						Х
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l	1.0	0.2	1						Х
75-35-4	1,1-Dichloroethene	< 0.3	U	µg/l	1.0	0.3	1	"		"	"	"	Х
156-59-2	cis-1,2-Dichloroethene	6.8		µg/l	1.0	0.2	1		"	"	"	"	Х
156-60-5	trans-1,2-Dichloroethene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"	"	Х
78-87-5	1,2-Dichloropropane	< 0.1	U	µg/l	1.0	0.1	1	"		"	"	"	Х
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1	"		"	"	"	Х
10061-02-6	trans-1,3-Dichloropropene	< 0.3	U	µg/l	0.5	0.3	1	"	"	"	"		Х
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"		Х
591-78-6	2-Hexanone (MBK)	< 0.5	U	µg/l	10.0	0.5	1	"	"	"	"		Х
98-82-8	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"		Х
99-87-6	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"	"	Х
1634-04-4	Methyl tert-butyl ether	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"		Х
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.7	U	µg/l	10.0	0.7	1	"	"	"	"	"	Х
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"			Х
91-20-3	Naphthalene	< 0.4	U	µg/l	1.0	0.4	1	"		"	"	"	Х
103-65-1	n-Propylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"		"	"	"	Х
100-42-5	Styrene	< 0.2	U	µg/l	1.0	0.2	1	"			"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	µg/l	0.5	0.3	1	"			"	"	х
127-18-4	Tetrachloroethene	1.2		µg/l	1.0	0.6	1	"			"	"	х
108-88-3	Toluene	0.3	J	µg/l	1.0	0.3	1	"			"	"	х
71-55-6	1,1,1-Trichloroethane	< 0.2	U	µg/l	1.0	0.2	1	"			"	"	х
79-00-5	1,1,2-Trichloroethane	< 0.2	U	μg/l	1.0	0.2	1	"			"	"	х
79-01-6	Trichloroethene	14.3		µg/l	1.0	0.4	1	"	"		"	"	х
				-									

<u>Sample Id</u> <b>MW-07</b> SC07069-	lentification 18				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 11		-	<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 V												
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	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"		"	"	х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"			"	"	х
75-01-4	Vinyl chloride	0.3	J	µg/l	1.0	0.3	1	"		"	"	"	х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1	"		"	"	"	х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"		"	"	х
Surrogate i	recoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	80 %		"			"	"	
2037-26-5	Toluene-d8	99			70-13	80 %		"		"	"	"	
17060-07-0	1,2-Dichloroethane-d4	91			70-13	80 %			"	"	"		
1868-53-7	Dibromofluoromethane	97			70-13	80 %		"	"		"	"	
-	rganic Compounds												
	by method SW846 5030 V				10.0								
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1		11-May-15			1509128	X
Surrogate i	recoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13			"	"	"	"	"	
2037-26-5	Toluene-d8	100			70-13			"	"		"	"	
17060-07-0	1,2-Dichloroethane-d4	96			70-13			"			"		
1868-53-7	Dibromofluoromethane	103			70-13	80 %					"	"	
	y Identified Compounds by by method SW846 5030 V												
repured	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	
Semivolati	le Organic Compounds by	GCMS											
	ile Organic Compounds by method SW846 3510C												
83-32-9	Acenaphthene	< 1.38	U	µg/l	5.21	1.38	1	SW846 8270D	07-May-1 5	10-May-1 5	MSL	1508810	х
208-96-8	Acenaphthylene	< 1.40	U	µg/l	5.21	1.40	1		"		"	"	х
120-12-7	Anthracene	< 1.46	U	µg/l	5.21	1.46	1	"	"	"	"	"	х
56-55-3	Benzo (a) anthracene	< 1.31	U	µg/l	5.21	1.31	1	"		"	"	"	х
50-32-8	Benzo (a) pyrene	< 1.38	U	µg/l	5.21	1.38	1	"			"	"	Х
205-99-2	Benzo (b) fluoranthene	< 1.72	U	µg/l	5.21	1.72	1	"		"	"		х
191-24-2	Benzo (g,h,i) perylene	< 1.55	U	µg/l	5.21	1.55	1	"	"	"	"	"	Х
207-08-9	Benzo (k) fluoranthene	< 1.39	U	µg/l	5.21	1.39	1	"	"	"	"	"	Х
111-91-1	Bis(2-chloroethoxy)metha ne	< 1.27	U	µg/l	5.21	1.27	1	"	"	"	"	"	х
111-44-4	Bis(2-chloroethyl)ether	< 1.23	U	µg/l	5.21	1.23	1	"	"	"	"	"	х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 1.19	U	µg/l	5.21	1.19	1	"	"	"	"	"	Х
117-81-7	Bis(2-ethylhexyl)phthalate	< 1.40	U	µg/l	5.21	1.40	1	"	"			"	х
101-55-3	4-Bromophenyl phenyl	< 1.40	U	µg/l	5.21	1.40	1	"	"	"	"	"	х
95 00 7	ether Batalkansalaktisalata	. 4 00			<b>5</b> 6 1								
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						х

Sample Id MW-07 SC07069	<u>dentification</u> -18				<u>Project #</u> 0606		<u>Matrix</u> Ground W		ection Date -May-15 11			eceived May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolat	ile Organic Compounds by (	GCMS											
	tile Organic Compounds by method SW846 3510C												
106-47-8	4-Chloroaniline	< 2.15	U	µg/l	5.21	2.15	1	SW846 8270D	07-May-1 5	10-May-1 5	MSL	1508810	х
91-58-7	2-Chloronaphthalene	< 1.70	U	µg/l	5.21	1.70	1	"	"	"	"	"	х
95-57-8	2-Chlorophenol	< 1.22	U	µg/l	5.21	1.22	1			"	"		х
7005-72-3	4-Chlorophenyl phenyl ether	< 1.38	U	µg/l	5.21	1.38	1	"	"	"	"	"	х
218-01-9	Chrysene	< 1.56	U	µg/l	5.21	1.56	1	"		"	"		х
53-70-3	Dibenzo (a,h) anthracene	< 1.60	U	µg/l	5.21	1.60	1	"		"	"		Х
132-64-9	Dibenzofuran	< 1.36	U	µg/l	5.21	1.36	1	"		"	"		Х
95-50-1	1,2-Dichlorobenzene	< 1.23	U	µg/l	5.21	1.23	1	"		"	"		Х
541-73-1	1,3-Dichlorobenzene	< 1.19	U	µg/l	5.21	1.19	1	"		"	"		Х
106-46-7	1,4-Dichlorobenzene	< 1.19	U	µg/l	5.21	1.19	1	"		"	"		Х
91-94-1	3,3'-Dichlorobenzidine	< 1.09	U	µg/l	5.21	1.09	1	"		"	"		Х
120-83-2	2,4-Dichlorophenol	< 1.35	U	µg/l	5.21	1.35	1	"		"	"		Х
84-66-2	Diethyl phthalate	< 1.33	U	µg/l	5.21	1.33	1	"		"	"		Х
131-11-3	Dimethyl phthalate	< 1.43	U	µg/l	5.21	1.43	1	"		"	"		Х
105-67-9	2,4-Dimethylphenol	< 1.39	U	µg/l	5.21	1.39	1	"		"	"		Х
84-74-2	Di-n-butyl phthalate	< 1.61	U	µg/l	5.21	1.61	1	"	"	"	"	"	Х
534-52-1	4,6-Dinitro-2-methylphenol	< 2.10	U	µg/l	5.21	2.10	1	"		"	"		Х
51-28-5	2,4-Dinitrophenol	< 2.01	U	µg/l	5.21	2.01	1	"	"	"	"	"	Х
121-14-2	2,4-Dinitrotoluene	< 1.93	U	µg/l	5.21	1.93	1	"		"	"		Х
606-20-2	2,6-Dinitrotoluene	< 1.51	U	µg/l	5.21	1.51	1	"		"	"		Х
117-84-0	Di-n-octyl phthalate	< 1.39	U	µg/l	5.21	1.39	1	"		"	"		Х
206-44-0	Fluoranthene	< 1.62	U	µg/l	5.21	1.62	1	"		"	"		Х
86-73-7	Fluorene	< 1.41	U	µg/l	5.21	1.41	1	"		"	"		Х
118-74-1	Hexachlorobenzene	< 1.42	U	µg/l	5.21	1.42	1	"		"	"		Х
87-68-3	Hexachlorobutadiene	< 1.29	U	µg/l	5.21	1.29	1	"		"	"		Х
77-47-4	Hexachlorocyclopentadien e	< 1.67	U	µg/I	5.21	1.67	1	u	"	"	"	"	х
67-72-1	Hexachloroethane	< 1.15	U	µg/l	5.21	1.15	1	"		"	"		Х
193-39-5	Indeno (1,2,3-cd) pyrene	< 1.81	U	µg/l	5.21	1.81	1	"	"	"	"	"	Х
78-59-1	Isophorone	< 1.21	U	µg/l	5.21	1.21	1	"	"	"	"		х
91-57-6	2-Methylnaphthalene	< 1.49	U	µg/l	5.21	1.49	1	"	"	"	"	"	Х
95-48-7	2-Methylphenol	< 1.53	U	µg/l	5.21	1.53	1	"		"	"		Х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 1.93	U	µg/l	10.4	1.93	1	"	"	"	"	"	х
91-20-3	Naphthalene	< 1.22	U	µg/l	5.21	1.22	1	"	"	"			Х
88-74-4	2-Nitroaniline	< 1.76	U	µg/l	5.21	1.76	1	"		"	"		Х
99-09-2	3-Nitroaniline	< 2.33	U	µg/l	5.21	2.33	1	"	"	"	"	"	х
100-01-6	4-Nitroaniline	< 2.30	U	µg/l	20.8	2.30	1	"	"	"	"	"	х
98-95-3	Nitrobenzene	< 1.22	U	µg/l	5.21	1.22	1	"	"	"	"	"	х
88-75-5	2-Nitrophenol	< 1.39	U	µg/l	5.21	1.39	1	"	"	"	"	"	х
100-02-7	4-Nitrophenol	< 2.00	U	µg/l	20.8	2.00	1	"	"	"	"	"	Х
621-64-7	N-Nitrosodi-n-propylamine	< 1.48	U	µg/l	5.21	1.48	1	"	"	"	"	"	х
86-30-6	N-Nitrosodiphenylamine	< 1.47	U	µg/l	5.21	1.47	1	"	"	"	"	"	х
87-86-5	Pentachlorophenol	< 2.47	U	µg/l	20.8	2.47	1	u		"	"	"	Х

Sample Id MW-07 SC07069-	lentification -18				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 11			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by (	GCMS											
<u>Semivolat</u>	ile Organic Compounds by method SW846 3510C												
85-01-8	Phenanthrene	< 1.43	U	µg/l	5.21	1.43	1	SW846 8270D	07-May-1 5	10-May-1 5	MSL	1508810	х
108-95-2	Phenol	< 2.15	U	µg/l	5.21	2.15	1	"	"	"	"	"	х
129-00-0	Pyrene	< 1.33	U	µg/l	5.21	1.33	1		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 1.14	U	µg/l	5.21	1.14	1		"	"	"		х
95-95-4	2,4,5-Trichlorophenol	< 1.92	U	µg/l	5.21	1.92	1	"	"		"	"	х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	39			30-13	30 %			"	"	"	"	
367-12-4	2-Fluorophenol	27			15-11	10 %			"	"	"	"	
4165-60-0	Nitrobenzene-d5	42			30-13	30 %		"	"	"	"		
4165-62-2	Phenol-d5	20			15-11	10 %		"	"	"	"		
1718-51-0	Terphenyl-dl4	53			30-13	30 %			"	"	"		
118-79-6	2,4,6-Tribromophenol	44			15-11	10 %			"	"	"	"	
	y Identified Compounds by method SW846 3510C												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8270D TICS	"	"	MSL	"	
Semivolati	ile Organic Compounds by (	GC											
	nated Biphenyls by method SW846 3510C												
12674-11-2	Aroclor-1016	< 0.118	U	µg/l	0.206	0.118	1	SW846 8082A	08-May-1 5	12-May-1 5	IMR	1508932	Х
11104-28-2	Aroclor-1221	< 0.111	U	µg/l	0.206	0.111	1		"	"	"		х
11141-16-5	Aroclor-1232	< 0.129	U	µg/l	0.206	0.129	1	"	"	"	"		Х
53469-21-9	Aroclor-1242	< 0.0804	U	µg/l	0.206	0.0804	1		"	"	"	"	Х
12672-29-6	Aroclor-1248	< 0.116	U	µg/l	0.206	0.116	1		"	"	"	"	Х
11097-69-1	Aroclor-1254	< 0.0773	U	µg/l	0.206	0.0773	1		"	"	"	"	Х
11096-82-5	Aroclor-1260	< 0.0639	U	µg/l	0.206	0.0639	1		"	"	"	"	Х
37324-23-5	Aroclor-1262	< 0.101	U	µg/l	0.206	0.101	1		"	"	"	"	Х
11100-14-4	Aroclor-1268	< 0.140	U	µg/l	0.206	0.140	1	n	"	"	"	"	Х
Surrogate i	recoveries:												
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	55			30-15	50 %		n	"		"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	65			30-15	50 %		n	"		"	"	
2051-24-3	Decachlorobiphenyl (Sr)	55			30-15	50 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	50			30-15	50 %		"	"	"	"	u	
Total Meta	als by EPA 6000/7000 Series	Methods											
7440-22-4	Silver	< 0.0023	U	mg/l	0.0100	0.0023	1	SW846 6010C	14-May-1 5	14-May-1 5	EDT	1509280	
7440-38-2	Arsenic	< 0.0054	U	mg/l mg/l	0.0080	0.0054	1	n	n	15-May-1 5	"	1509547	
7440-39-3	Barium					0.0006	1	n	n	14-May-1 5	"	1509280	
7440-43-9	Cadmium	< 0.0003	U	mg/l	0.0050	0.0003	1	"	"	"	"	"	Х
7440-47-3	Chromium	0.0049	J	mg/l	0.0100	0.0021	1	"	"	"	"	"	Х
7439-92-1	Lead	< 0.0039	U	mg/l	0.0150	0.0039	1	"	"	"	"	"	Х

Sample Id MW-07 SC07069	<u>dentification</u> -18				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 11			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Met	als by EPA 6000/7000	Series Methods											
7782-49-2	Selenium	< 0.0071	U	mg/l	0.0300	0.0071	1	SW846 6010C	14-May-1 5	14-May-1 5	EDT	1509280	Х
Total Met	als 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-1 5	15-May-1 5	YR	1509281	Х
General C	Chemistry Parameters												
57-12-5	Cyanide (total)	0.0161		mg/l	0.00500	0.00442	1	EPA 335.4 / SW846 9012B	13-May-1 5	13-May-1 5	RLT	1509372	Х

Sample Id MW-13 SC07069-	lentification 19				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 12			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds rganic Compounds by SW by method SW846 5030 V												
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		"	"	"		х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1		"	"	"	"	х
75-25-2	Bromoform	< 0.3	U	μg/l	1.0	0.3	1		"		"	"	х
74-83-9	Bromomethane	< 0.5	U	μg/l	2.0	0.5	1		"		"	"	х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"		х
104-51-8	n-Butylbenzene	< 0.3	U	μg/l	1.0	0.3	1		"	"	"		х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1		"				х
98-06-6	tert-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1		"	"	"		х
75-15-0	Carbon disulfide	< 0.3	U	μg/l	2.0	0.3	1		"	"	"		х
56-23-5	Carbon tetrachloride	< 0.2	U	μg/l	1.0	0.2	1		"		"		х
108-90-7	Chlorobenzene	< 0.2	U	μg/l	1.0	0.2	1				"		х
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		1.0	0.2	1				"		x
107-06-2	1,2-Dichloroethane	< 0.2	U	µg/l µg/l	1.0	0.2	1						x
75-35-4	1,1-Dichloroethene	< 0.2	U		1.0	0.2	1						x
156-59-2			0	µg/l	1.0	0.3	1						x
156-60-5	cis-1,2-Dichloroethene	<b>4.3</b>	U	µg/l		0.2							
78-87-5	trans-1,2-Dichloroethene	< 0.2 < 0.1	U	µg/l	1.0 1.0		1						X X
10061-01-5	1,2-Dichloropropane		U	µg/l		0.1	1				"		×
10061-01-5	cis-1,3-Dichloropropene	< 0.2	U	µg/l	0.5	0.2	1						
100-41-4	trans-1,3-Dichloropropene	< 0.3		µg/l	0.5	0.3	1				"		X
591-78-6	Ethylbenzene	< 0.2 < 0.5	U	µg/l	1.0	0.2	1						X
98-82-8	2-Hexanone (MBK)		U	µg/l	10.0	0.5	1						X
99-87-6	Isopropylbenzene	< 0.2	U	µg/l	1.0	0.2	1						X
	4-Isopropyltoluene	< 0.4	U	µg/l	1.0	0.4	1						X
1634-04-4 108-10-1	Methyl tert-butyl ether 4-Methyl-2-pentanone (MIBK)	< 0.2 < 0.7	U U	µg/l µg/l	1.0 10.0	0.2 0.7	1 1						x x
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	х
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	<b>2.0</b>		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
		10.0		49 ⁽¹	1.0	0.7							~

<u>Sample Id</u> <b>MW-13</b> SC07069-	entification 19				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 12			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
	rganic Compounds by SV by method SW846 5030												
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	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	97			70-13	0 %		"	"		"		
2037-26-5	Toluene-d8	100			70-13	0 %		"	"		"		
17060-07-0	1,2-Dichloroethane-d4	92			70-13	0 %		"	"		"		
1868-53-7	Dibromofluoromethane	99			70-13	0 %					"	"	
	rganic Compounds by method SW846 5030 ^v	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15		"	1509128	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	0 %		"	"		"		
2037-26-5	Toluene-d8	101			70-13	0 %		"	"		"		
17060-07-0	1,2-Dichloroethane-d4	97			70-13	0 %		"	"	"	"		
1868-53-7	Dibromofluoromethane	104			70-13	0 %		"	"		"		
	y Identified Compounds b by method SW846 5030												
<u> </u>	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	11-May-15	"	SJB	1509127	

<u>Sample Id</u> <b>MW-11</b> SC07069-	dentification				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 08			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile O	rganic Compounds Irganic Compounds by SW by method SW846 5030 V												
67-64-1	Acetone	3.0	J	µg/l	10.0	2.5	1	SW846 8260C	11-May-15	11-May-15	SJB	1509127	х
71-43-2	Benzene	< 0.2	U	µg/l	1.0	0.2	1		"	"	"		Х
75-27-4	Bromodichloromethane	< 0.2	U	µg/l	0.5	0.2	1		"	"	"		Х
75-25-2	Bromoform	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	х
74-83-9	Bromomethane	< 0.5	U	µg/l	2.0	0.5	1		"	"	"		Х
78-93-3	2-Butanone (MEK)	< 1.2	U	µg/l	10.0	1.2	1		"	"	"		х
104-51-8	n-Butylbenzene	< 0.3	U	µg/l	1.0	0.3	1		"	"	"	"	х
135-98-8	sec-Butylbenzene	< 0.2	U	µg/l	1.0	0.2	1	"	"	"	"		х
98-06-6	tert-Butylbenzene	< 0.2	U	μg/l	1.0	0.2	1		"	"	"		х
75-15-0	Carbon disulfide	< 0.3	U	μg/l	2.0	0.3	1		"		"		х
56-23-5	Carbon tetrachloride	< 0.2	U	μg/l	1.0	0.2	1				"		х
108-90-7	Chlorobenzene	< 0.2	U	μg/l	1.0	0.2	1		"	"	"		х
75-00-3	Chloroethane	< 0.4	U	μg/l	2.0	0.4	1		"	"	"		х
67-66-3	Chloroform	0.4	J	μg/l	1.0	0.4	1		"	"	"		х
74-87-3	Chloromethane	< 0.3	U	μg/l	2.0	0.3	1		"		"		х
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	0.2	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	< 0.2	U	μg/l	1.0	0.2	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	0.2	1				"		x
100-41-4	Ethylbenzene	< 0.2	U	µg/l	1.0	0.0	1				"		x
591-78-6	2-Hexanone (MBK)	< 0.2	U	μg/l	10.0	0.2	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	< 0.4	U	µg/l	1.0	0.4	1				"		x
108-10-1	4-Methyl-2-pentanone (MIBK)	< 0.2	U	μg/l	10.0	0.2	1	"	"	"		"	x
75-09-2	Methylene chloride	< 0.3	U	µg/l	2.0	0.3	1	"	"	"	"	"	х
91-20-3	Naphthalene	< 0.4	U	μg/l	1.0	0.4	1				"		х
103-65-1	n-Propylbenzene	< 0.2	U	μg/l	1.0	0.2	1				"		х
100-42-5	Styrene	< 0.2	U	μg/l	1.0	0.2	1	"			"	"	х
79-34-5	1,1,2,2-Tetrachloroethane	< 0.3	U	μg/l	0.5	0.3	1	"	"	"	"	"	х
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
				P.9,1	1.0	0.7							~

<u>Sample Id</u> <b>MW-11</b> SC07069-	entification 20				<u>Project #</u> 0606		<u>Matrix</u> Ground Wa		ection Date -May-15 08			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	ganic Compounds												
	rganic Compounds by SV by method SW846 5030												
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	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1	"	"		"		х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1	"	"		"		х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"		"		х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"		"		х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	Х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	97			70-13	80 %		"	"		"		
2037-26-5	Toluene-d8	99			70-13	80 %		"			"		
17060-07-0	1,2-Dichloroethane-d4	91			70-13	80 %		"			"		
1868-53-7	Dibromofluoromethane	95			70-13	80 %		"			"		
	rganic Compounds by method SW846 5030 ^v	Water MS											
108-05-4	Vinyl acetate	< 9.56	U	µg/l	10.0	9.56	1	"	11-May-15			1509128	х
Surrogate r	ecoveries:												
460-00-4	4-Bromofluorobenzene	97			70-13	80 %					"		
2037-26-5	Toluene-d8	100			70-13	80 %					"		
17060-07-0	1,2-Dichloroethane-d4	96			70-13	80 %					"		
1868-53-7	Dibromofluoromethane	100			70-13	80 %					"		
	y Identified Compounds b by method SW846 5030												
	Tentatively Identified Compounds	None found		µg/l			1	SW846 8260C TICs	11-May-15	u	SJB	1509127	

71-43-2       Benzene       < 0.2       U       µg/l       1.0       0.2       1       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       " </th <th>/lay-15</th> <th></th>	/lay-15	
Volatile Ora-inic 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           71-43-2         Benzene         < 0.2         U         µg/l         1.0         0.2         1         "         "         "         "           75-27-4         Bromodichloromethane         < 0.2         U         µg/l         0.5         0.2         1         "         "         "         "           75-27-2         Bromoform         < 0.3         U         µg/l         1.0         0.3         1         "         "         "         "           75-25-2         Bromoform         < 0.3         U         µg/l         1.0         0.3         1         "         "         "         "           74-83-9         Bromomethane         < 0.5         U         µg/l         1.0         0.3         1         "         "         "         "         "         "         "         "         "         "         "         "         "         "         "         <	Batch C	Cert.
Prepared by method SW846 5030 Water MS           67-64-1         Acetone         < 2.5		
67-64-1       Acetone       < 2.5		
71-43-2Benzene< 0.2	1509127	х
75-27-4       Bromodichloromethane       < 0.2	"	x
75-25-2Bromoform< 0.3Uµg/l1.00.31"""""""74-83-9Bromomethane< 0.5		x
74-83-9Bromomethane< 0.5Uµg/l2.00.51""""""78-93-32-Butanone (MEK)< 1.2		x
78-93-3       2-Butanone (MEK)       < 1.2		x
104-51-8n-Butylbenzene< 0.3Uµg/l1.00.31""""""135-98-8sec-Butylbenzene< 0.2		x
135-98-8       sec-Butylbenzene       < 0.2		x
98-06-6       tert-Butylbenzene       < 0.2		x
75-15-0       Carbon disulfide       < 0.3		x
56-23-5Carbon tetrachloride< 0.2Uμg/l1.00.21""""""108-90-7Chlorobenzene< 0.2		x
108-90-7       Chlorobenzene       < 0.2		x
75-00-3     Chloroethane     < 0.4     U     μg/l     2.0     0.4     1     "     "     "       67-66-3     Chloroform     < 0.4		x
67-66-3 Chloroform < 0.4 U μg/l 1.0 0.4 1 " " " "		x
		x
74-87-3 Chloromethane < 0.3 U ug/l 2.0 0.3 1 " " " "		x
		X
		X
		X
		X
		X
		X X
1,1-Dicilioideanene < 0.5 0 μg/1 1.0 0.5 1		
		X
		X
		X
The second se		X
		X
		X
зет-70-0 2-пеханоне (мък) < 0.5 0 µg/i 10.0 0.5 i		X
		X
		X
		X
108-10-1 4-Methyl-2-pentanone < 0.7 U μg/l 10.0 0.7 1 " " " " " (MIBK)		Х
75-09-2 Methylene chloride < 0.3 U µg/I 2.0 0.3 1 " " " " "	"	Х
91-20-3 Naphthalene < 0.4 U µg/l 1.0 0.4 1 " " " "	"	Х
103-65-1 n-Propylbenzene < 0.2 U µg/l 1.0 0.2 1 " " " "	"	Х
100-42-5 Styrene < 0.2 U µg/l 1.0 0.2 1 " " " "	"	Х
79-34-5 1,1,2,2-Tetrachloroethane < 0.3 U μg/l 0.5 0.3 1 " " " "		Х
127-18-4 Tetrachloroethene < 0.6 U μg/l 1.0 0.6 1 " " " " "		Х
108-88-3 Toluene < 0.3 U µg/l 1.0 0.3 1 " " " "		Х
71-55-6 1,1,1-Trichloroethane < 0.2 U μg/l 1.0 0.2 1 " " " "		Х
79-00-5 1,1,2-Trichloroethane < 0.2 U µg/l 1.0 0.2 1 " " " "		Х
79-01-6 Trichloroethene < 0.4 U µg/I 1.0 0.4 1 " " " "	"	Х

<u>Sample Id</u> Trip Blan SC07069-				<u>Client F</u> 2150	<u>Project #</u> )606		<u>Matrix</u> Aqueous		ection Date -May-15 00			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Or	rganic Compounds												
	rganic Compounds by SW by method SW846 5030 V												
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	х
95-63-6	1,2,4-Trimethylbenzene	< 0.4	U	µg/l	1.0	0.4	1		"	"	"	"	Х
108-67-8	1,3,5-Trimethylbenzene	< 0.9	U	µg/l	1.0	0.9	1		"	"	"	"	Х
75-01-4	Vinyl chloride	< 0.3	U	µg/l	1.0	0.3	1		"	"	"		Х
179601-23-1	m,p-Xylene	< 0.4	U	µg/l	2.0	0.4	1		"	"	"		Х
95-47-6	o-Xylene	< 0.5	U	µg/l	1.0	0.5	1	"	"	"	"	"	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	98			70-13	0%			"		"		
2037-26-5	Toluene-d8	99			70-13	0%			"		"		
17060-07-0	1,2-Dichloroethane-d4	91			70-13	0%			"		"		
1868-53-7	Dibromofluoromethane	96			70-13	0%		"	"		"	"	
	rganic Compounds 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	х
Surrogate r	recoveries:												
460-00-4	4-Bromofluorobenzene	99			70-13	0%			"		"		
2037-26-5	Toluene-d8	100			70-13	0%			"		"	"	
17060-07-0	1,2-Dichloroethane-d4	96			70-13	0%			"	"	"	"	
1868-53-7	Dibromofluoromethane	102			70-13	0%			"		"	"	
	y Identified Compounds b by method SW846 5030 \												
<u> </u>	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

<u>Laboratory Control Sample (LCS)</u>: 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.

<u>Matrix Spike</u>: 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.

<u>Method Blank</u>: 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.

<u>Method Detection Limit (MDL)</u>: 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.

<u>Reportable Detection Limit (RDL)</u>: 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.

<u>Surrogate</u>: 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.

<u>Continuing Calibration Verification</u>: 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

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Rev. Jan 2014

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Final ReportRe-Issued ReportRevised Report

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

Project: Corning Hospital, NY Project #: 2150606

Laboratory ID	<u>Client Sample ID</u>	<u>Matrix</u>	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:

Aliole 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

This laboratory report is not valid without an authorized signature on the cover page. * Reportable Detection Limit

# SW846 7471B

## Samples:

Calibration:   1503056   Analyte quantified by quadratic equation type calibration.   2,4-Dinitrophenol   4,6-Dinitro-2-methylphenol   4,6-Dinitro-2-methylphenol   4-Nitrophenol   *Nitrophenol   *S02322-ICV1   Samples:  SC07216-01 TP-04-2.5' The Reporting Limit has been raised to account for matrix interference. W846 8270D TICS Samples:	Samples:	
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         W846 8270D         Calibration:         1503056         Analyte quantified by quadratic equation type calibration.         2,4-Dinitrophenol         4.6-Dinitro-2-methylphenol         4-Nitrophenol         4-Nitrophenol         4-Nitrophenol         S007216-01       TP-04-2.5'         Samples:         S007216-01       TP-04-2.5'         The Reporting Limit has been raised to account for matrix interference.         W846 8270D TICS         Samples:	SC07216-03	TP-07-3'
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         W846 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:         S00322-ICV1         Samples:         SC07216-01       TP-04-2.5'         The Reporting Limit has been raised to account for matrix interference.         W846 8270D TICS         Samples:		uired 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         W846 8270D       Calibration:         1503056       Instrument calibration range.         Analyte quantified by quadratic equation type calibration.       2.4-Dinitrophenol         4.6-Dinitro-2-methylphenol       4-Nitrophenol         4.5-Dinitro-2-methylphenol       4-Nitrophenol         4.Nitrophenol       Stor222-ICV1         Samples:       SC07216-01       TP-04-2.5'         Mercury       The Reporting Limit has been raised to account for matrix interference.         W846 8270D TICS       Samples:	SC07216-04	TP-06-1.5'
Sample dilution required for high concentration of target analytes to be within the instrument calibration range.         Mercury         W846 8270D         Calibration:         1503056         Analyte quantified by quadratic equation type calibration.         2,4-Dinitrophenol         4,6-Dinitro-2-methylphenol         4/A-Dinitro-2-methylphenol         4/Sittophenol         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.         W846 8270D TICS         Samples:		uired for high concentration of target analytes to be within the instrument calibration range.
Mercury         W846 8270D         Calibration:         1503056         Analyte quantified by quadratic equation type calibration.         2,4-Dinitrophenol         4,6-Dinitro-2-methylphenol         4-Nitrophenol         4-Nitrophenol         Source         Stor212c-ICV1         Samples:         SC07216-01       TP-04-2.5'         The Reporting Limit has been raised to account for matrix interference.         W846 8270D TICS         Samples:	SC07216-08	TP-02-5.5'
Calibration:   1503056   Analyte quantified by quadratic equation type calibration.   2,4-Dinitrophenol   4,6-Dinitro-2-methylphenol   4,6-Dinitro-2-methylphenol   4-Nitrophenol   *Nitrophenol   *S02322-ICV1   Samples:  SC07216-01 TP-04-2.5' The Reporting Limit has been raised to account for matrix interference. W846 8270D TICS Samples:		uired for high concentration of target analytes to be within the instrument calibration range.
Calibration:   1503056   Analyte quantified by quadratic equation type calibration.   2,4-Dinitrophenol   4,6-Dinitro-2-methylphenol   4,6-Dinitro-2-methylphenol   4-Nitrophenol   *Nitrophenol   *S02322-ICV1   Samples:  SC07216-01 TP-04-2.5' The Reporting Limit has been raised to account for matrix interference. W846 8270D TICS Samples:	SW846 8270D	
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. W846 8270D TICS Samples:	Calibration:	
2,4-Dinitrophenol 4,6-Dinitro-2-methylphenol 4-Nitrophenol This affected the following samples: S502322-ICV1 Samples: <u>SC07216-01</u> TP-04-2.5' The Reporting Limit has been raised to account for matrix interference. W846 8270D TICS Samples:	1503056	
4,6-Dinitro-2-methylphenol 4-Nitrophenol This affected the following samples: S502322-ICV1 Samples: <u>SC07216-01</u> TP-04-2.5' The Reporting Limit has been raised to account for matrix interference. W846 8270D TICS Samples:	Analyte quantified	by quadratic equation type calibration.
S502322-ICV1         Samples:         SC07216-01       TP-04-2.5'         The Reporting Limit has been raised to account for matrix interference.         W846 8270D TICS         Samples:	4,6-Dinitro-2-meth	nylphenol
SC07216-01       TP-04-2.5'         The Reporting Limit has been raised to account for matrix interference.         W846 8270D TICS         Samples:		llowing samples:
The Reporting Limit has been raised to account for matrix interference. W846 8270D TICS Samples:	Samples:	
W846 8270D TICS Samples:	SC07216-01	TP-04-2.5'
Samples:	The Reporting Lim	it has been raised to account for matrix interference.
Samples:	SW846 8270D TICS	<u>s</u>
SC07216-01 TP-04-2.5'		_
	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	<u>No</u>
Were custody seals present?		$\checkmark$
Were custody seals intact?		
Were samples received at a temperature of $\leq 6^{\circ}$ C?		$\checkmark$
Were samples cooled on ice upon transfer to laboratory representative?	$\checkmark$	
Were sample containers received intact?	$\checkmark$	
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	$\checkmark$	
Were samples accompanied by a Chain of Custody document?	$\checkmark$	
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?		$\checkmark$
Were samples received within method-specific holding times?	$\checkmark$	

	$\checkmark$	
$\overline{\mathbf{N}}$		
$\checkmark$		
$\checkmark$		

N/A

280-86-4         Accenabilitylene         < < 81.7		<u>eceived</u> May-15			ection Date/ May-15 12		<u>Matrix</u> Soil			<u>Client Pr</u> 2150				<u>Sample Id</u> <b>TP-04-2.5</b> SC07216-
Semicle International SectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSectorSector<	tch Cei	Batch	Analyst	Analyzed	Prepared	Method Ref.	Dilution	MDL	*RDL	Units	Flag	Result	Analyte(s)	CAS No.
Preparated University with the SW2443 3554AP         Seale 3         Accemptation SW2443 3554AP         No. 1         Sole 3         <												GCMS	ile Organic Compounds by C	Semivolati
Base     Assemptifyene                                                                                                                                                 <											R01			
Actor         Actor         Actor         Actor         Actor         Actor           56-553         Benzo (a) anthracene         135         J.D<         µgkg dy         356         88.1         5         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -<	9247 X	150924	MSL	,		SW846 8270D	5	89.8	385	µg/kg dry	U, D	< 89.8		
Number         No.         Jup Number         Sol.         Jup Number         Sol.         Jup Number         Sol.         So	" X	"	"	"		"	5	81.7	385	µg/kg dry	U, D	< 81.7	Acenaphthylene	208-96-8
Barbor (a) municative         1.30         1.30         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90         1.90	" X	"				"	5	88.1	385	µg/kg dry	U, D	< 88.1	Anthracene	120-12-7
Barbox (a) pynete         131         1,0         140,0         140,0,0         150         140,0,0         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150         150<	" X	"				"	5	79.7	385	µg/kg dry	J, D	135	Benzo (a) anthracene	56-55-3
Backard (in Monitorian interim         for         for         grad with a side         for         for <thor< th="">         for         for</thor<>	" X	"				"	5	80.2	385	µg/kg dry	J, D	131	Benzo (a) pyrene	50-32-8
Index a         Bark (g, ()) payment         S - 3.4         C - 1         Bark (g, ()) payment         S - 4         C - 1           111-91-1         Bis(2-chioreethoxy)metha ne         S - 4         U D         µg/kg dry         960         348         5         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -	" X	"				"	5	87.7	385	µg/kg dry	J, D	162	Benzo (b) fluoranthene	205-99-2
Barbardon         Santa         Santa         Barbardon         Barbardon         Santa         Santa         Barbardon         Barbardon         Santa         Santa         Barbardon         Barbardon         Santa         Santa	" X	"				"	5	83.4	385	µg/kg dry	U, D	< 83.4	Benzo (g,h,i) perylene	191-24-2
111-144Bis(2-choroethoxy)meth< 348U.D.ug/kg dy9643665IIIII111-444Bis(2-choroethy)tethe< 346	" X	"				"	5	87.7	385	µg/kg dry	U, D	< 87.7	Benzo (k) fluoranthene	207-08-9
International internatinterational international international international	" X	"	"	"	"		5	348	1900		U, D	< 348		111-91-1
10000001       pikg dry       9.00       9.00       9.00       9.00         117.81-7       Bis(2-ethylhexyl)phthalate       < 476	" X	"				"	5	346	964	µg/kg dry	U, D	< 346	Bis(2-chloroethyl)ether	111-44-4
1111-1573       4-Bromophenyl phenyl        385       U. D       µg/kg dry       1900       385       5       "       "       "       "         85-68-7       Butyl benzyl phthalate       <422	" X	"	"	"	"	"	5	346	964	µg/kg dry	U, D	< 346		108-60-1
N1-Social arbitroline by prine by p	" X	"					5	476	964	µg/kg dry	U, D	< 476	Bis(2-ethylhexyl)phthalate	117-81-7
Budy bergy pintalate       442       0.0       pg/kg dry       964       490       5       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "       "	" X	"	"	"	u	u	5	385	1900	µg/kg dry	U, D	< 385		101-55-3
Carbazole	" X	"		"	"	"	5	422	1900	µg/kg dry	U, D	< 422	Butyl benzyl phthalate	85-68-7
14-Chiloros-interitylpticular       < 393	" X	"					5	490	964	µg/kg dry	U, D	< 490	Carbazole	86-74-8
14-Childeaninine       < 353	" X	"				"	5	395	1900	µg/kg dry	U, D	< 395	4-Chloro-3-methylphenol	59-50-7
95-53-10       2-Chilorobrani (1) antihatene (1) 333       0.0       µg/kg dry (1) 904       353       3         95-57-8       2-Chlorophenol       < 341	" X	"				"	5	393	964	µg/kg dry	U, D	< 393	4-Chloroaniline	106-47-8
33-51/3       2-Chilotopheniol       < 341	" X	"				"	5	335	1900	µg/kg dry	U, D	< 335	2-Chloronaphthalene	91-58-7
1700-72-34-Childropine informe inform	" X	"				"	5	341	964	µg/kg dry	U, D	< 341	2-Chlorophenol	95-57-8
210019       Ciliygene       133       9, D       µg/kg dry       383       94, 1       5         53-70-3       Dibenzo (a,h) anthracene       < 70.7	" X	"	"	"	u	u	5	358	1900	µg/kg dry	U, D	< 358		7005-72-3
132-64-9       Dibenzofuran       < 70.7	" X	"					5	94.1	385	µg/kg dry	J, D	133	Chrysene	218-01-9
95-50-11,2-Dichlorobenzene< 320U, Dµg/kg dry19003205""""""541-73-11,3-Dichlorobenzene< 338	" X	"					5	70.7	385	µg/kg dry	U, D	< 70.7	Dibenzo (a,h) anthracene	53-70-3
541-73-1       1,3-Dichlorobenzene       < 338	" X	"					5	70.7	964	µg/kg dry	U, D	< 70.7	Dibenzofuran	132-64-9
106-46-7       1,4-Dichlorobenzene       < 338	" X	"				"	5	320	1900	µg/kg dry	U, D	< 320	1,2-Dichlorobenzene	95-50-1
14-Diction oberizence       < 313	" X	"				"	5	338	1900	µg/kg dry	U, D	< 338	1,3-Dichlorobenzene	541-73-1
120-83-2       2,4-Dichlorophenol       < 328	" X	"					5	315	1900	µg/kg dry	U, D	< 315	1,4-Dichlorobenzene	106-46-7
84-66-2       Diethyl phthalate       < 398	" X	"					5	387	1900	µg/kg dry	U, D	< 387	3,3'-Dichlorobenzidine	91-94-1
131-11-3       Dimethyl phthalate       < 375	" X	"				"	5	328	964	µg/kg dry	U, D	< 328	2,4-Dichlorophenol	120-83-2
105-67-9       2,4-Dimethylphenol       < 327	" X	"					5	398	1900	µg/kg dry	U, D	< 398	Diethyl phthalate	84-66-2
84-74-2       Di-n-butyl phthalate       < 428	" X	"				"	5	375	1900	µg/kg dry	U, D	< 375	Dimethyl phthalate	131-11-3
534-52-1 4,6-Dinitro-2-methylphenol < 507 U, D μg/kg dry 1900 507 5 " " " " "	" X	"				"	5	327	1900	µg/kg dry	U, D	< 327	2,4-Dimethylphenol	105-67-9
	" X	"				"	5	428	1900	µg/kg dry	U, D	< 428	Di-n-butyl phthalate	84-74-2
51-28-5 2,4-Dinitrophenol < 502 U, D μg/kg dry 1900 502 5 " " " " "	" X	"	"	"		"	5	507	1900	µg/kg dry	U, D	< 507	4,6-Dinitro-2-methylphenol	534-52-1
	" X			"	"	"	5	502	1900	µg/kg dry	U, D	< 502	2,4-Dinitrophenol	51-28-5
121-14-2 2,4-Dinitrotoluene < 397 U, D µg/kg dry 964 397 5 " " " " "	" X	"	"	"		"	5	397	964		U, D	< 397	2,4-Dinitrotoluene	121-14-2
606-20-2 2,6-Dinitrotoluene < 374 U, D µg/kg dry 964 374 5 " " " " "	" X					"	5	374	964	µg/kg dry	U, D	< 374	2,6-Dinitrotoluene	606-20-2
117-84-0 Di-n-octyl phthalate < 411 U, D µg/kg dry 1900 411 5 " " " "	" X					"		411	1900		U, D	< 411	Di-n-octyl phthalate	117-84-0
206-44-0 Fluoranthene <b>219</b> J, D µg/kg dry 385 96.7 5 " " " " "	" X					"		96.7	385		J, D	219		206-44-0
86-73-7 Fluorene < 92.2 U, D µg/kg dry 385 92.2 5 " " " " "	" X	"				"		92.2	385		U, D		Fluorene	86-73-7
118-74-1 Hexachlorobenzene < 421 U, D µg/kg dry 964 421 5 " " " " "		"				"					U, D			118-74-1
87-68-3 Hexachlorobutadiene < 307 U, D μg/kg dry 964 307 5 " " " " "	" X	"		"	"	n	5	307	964		U, D	< 307	Hexachlorobutadiene	87-68-3

Sample Id TP-04-2.5 SC07216-				<u>Client P</u> 2150	-		<u>Matrix</u> Soil		ection Date May-15 12			<u>eceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
<u>Semivolat</u>	tile Organic Compounds by method SW846 3545A		R01										
77-47-4	Hexachlorocyclopentadien e	< 351	U, D	µg/kg dry	964	351	5	SW846 8270D	12-May-1 5	12-May-1 5	MSL	1509247	x
67-72-1	Hexachloroethane	< 370	U, D	µg/kg dry	964	370	5	"	"		"	"	х
193-39-5	Indeno (1,2,3-cd) pyrene	< 78.7	U, D	µg/kg dry	385	78.7	5	"	"		"		х
78-59-1	Isophorone	< 336	U, D	µg/kg dry	964	336	5	"	"	"		"	х
91-57-6	2-Methylnaphthalene	< 79.4	U, D	µg/kg dry	385	79.4	5	"	"	"		"	х
95-48-7	2-Methylphenol	< 342	U, D	µg/kg dry	1900	342	5	"	"	"			х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 429	U, D	µg/kg dry	1900	429	5	"	"	"	"	"	х
91-20-3	Naphthalene	< 78.4	U, D	µg/kg dry	385	78.4	5	"	"	"	"	"	Х
88-74-4	2-Nitroaniline	< 382	U, D	µg/kg dry	1900	382	5	"	"		"		Х
99-09-2	3-Nitroaniline	< 456	U, D	µg/kg dry	1900	456	5	"	"		"	"	х
100-01-6	4-Nitroaniline	< 551	U, D	µg/kg dry	964	551	5		"		"		х
98-95-3	Nitrobenzene	< 374	U, D	µg/kg dry	964	374	5		"		"		х
88-75-5	2-Nitrophenol	< 319	U, D	µg/kg dry	964	319	5		"		"		х
100-02-7	4-Nitrophenol	< 515	U, D	µg/kg dry	7620	515	5	"	"		"		х
621-64-7	N-Nitrosodi-n-propylamine	< 410	U, D	µg/kg dry	964	410	5	"	"		"		х
86-30-6	N-Nitrosodiphenylamine	< 448	U, D	µg/kg dry	1900	448	5		"		"		х
87-86-5	Pentachlorophenol	< 453	U, D	µg/kg dry	1900	453	5		"		"		х
85-01-8	Phenanthrene	108	J, D	µg/kg dry	385	94.0	5	"	"		"		х
108-95-2	Phenol	< 347	U, D	µg/kg dry	1900	347	5	"	"		"		х
129-00-0	Pyrene	223	J, D	µg/kg dry	385	82.0	5		"		"		х
120-82-1	1,2,4-Trichlorobenzene	< 303	U, D	µg/kg dry	1900	303	5		"		"		х
95-95-4	2,4,5-Trichlorophenol	< 394	U, D	µg/kg dry	1900	394	5	"	"	"	"	"	х
Surrogate i	recoveries:												
321-60-8	2-Fluorobiphenyl	79			30-13	0 %		"	"	"	"		
367-12-4	2-Fluorophenol	89			30-13	0 %		"	"	"	"		
4165-60-0	Nitrobenzene-d5	80			30-13	0 %		"	"	"	"		
4165-62-2	Phenol-d5	88			30-13	0 %		"	"	"	"		
1718-51-0	Terphenyl-dl4	79			30-13	0 %		"	"		"		
118-79-6	2,4,6-Tribromophenol	85	504		30-13	0 %		"			"	"	
	y Identified Compounds by method SW846 3545A		R01										
ropurou	Tentatively Identified Compounds	None found		µg/kg dry			5	SW846 8270D TICS	"	"	MSL	"	
Total Meta	als 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-1 5	14-May-1 5	BJW	1509210	х
7440-38-2	Arsenic	7.93		mg/kg dry	1.71	0.276	1	"		-		"	х
7440-39-3	Barium	153		mg/kg dry	1.14	0.0678	1	"	"			"	х
7440-43-9	Cadmium	2.52		mg/kg dry	0.570	0.0183	1	"	"			"	х
7440-47-3	Chromium	13.5		mg/kg dry	1.14	0.109	1	"	"			"	х
7439-97-6	Mercury	0.547	GS1, D	mg/kg dry	0.0614	0.0040	2	SW846 7471B	"	13-May-1 5	YR	1509211	х
7439-92-1	Lead	273		mg/kg dry	1.71	0.315	1	SW846 6010C	"	14-May-1	BJW	1509210	х
7782-49-2	Selenium	0.622	J	mg/kg dry	1.71	0.428	1	"	"	5 "	"		х

Sample Identification TP-04-2.5' SC07216-01				Project <u>#</u> 0606		<u>Matrix</u> Soil		ection Date -May-15 12			<u>ceived</u> 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 Id TP-05-3' SC07216-	lentification -02			<u>Client P</u> 2150	•		<u>Matrix</u> Soil		ection Date May-15 12			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/70	00 Series Methods											
7440-22-4	Silver	0.204	J	mg/kg dry	1.70	0.124	1	SW846 6010C	12-May-1 5	14-May-1 5	BJW	1509210	Х
7440-38-2	Arsenic	7.21		mg/kg dry	1.70	0.275	1	"	"	"	"		х
7440-39-3	Barium	99.9		mg/kg dry	1.13	0.0673	1	"	"	"	"		х
7440-43-9	Cadmium	0.448	J	mg/kg dry	0.567	0.0181	1		"	"	"		х
7440-47-3	Chromium	10.4		mg/kg dry	1.13	0.108	1		"	"	"	"	х
7439-97-6	Mercury	0.425		mg/kg dry	0.0362	0.0024	1	SW846 7471B	"	13-May-1 5	YR	1509211	х
7439-92-1	Lead	160		mg/kg dry	1.70	0.313	1	SW846 6010C	"	14-May-1 5	BJW	1509210	х
7782-49-2	Selenium	1.11	J	mg/kg dry	1.70	0.426	1		"	"	"		х
General C	hemistry Paramete	ers											
	% Solids	79.4		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509146	

Sample Id <b>TP-07-3'</b>	lentification			Client Pr	roject #		Matrix		ection Date		Re	ceived	
SC07216-	-03			2150	606		Soil	08-	-May-15 14	1:10	11-1	May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by (	GCMS											
<u>Semivolat</u>	tile Organic Compounds by method SW846 3545A												
83-32-9	Acenaphthene	< 22.7	U	µg/kg dry	97.3	22.7	1	SW846 8270D	12-May-1 5	12-May-1 5	MSL	1509247	x
208-96-8	Acenaphthylene	< 20.6	U	µg/kg dry	97.3	20.6	1	"	"		"	"	х
120-12-7	Anthracene	< 22.3	U	µg/kg dry	97.3	22.3	1		"	"	"		Х
56-55-3	Benzo (a) anthracene	< 20.1	U	µg/kg dry	97.3	20.1	1		"	"	"	"	х
50-32-8	Benzo (a) pyrene	< 20.3	U	µg/kg dry	97.3	20.3	1		"		"		х
205-99-2	Benzo (b) fluoranthene	< 22.2	U	µg/kg dry	97.3	22.2	1		"		"		х
191-24-2	Benzo (g,h,i) perylene	< 21.1	U	µg/kg dry	97.3	21.1	1		"		"		х
207-08-9	Benzo (k) fluoranthene	< 22.2	U	µg/kg dry	97.3	22.2	1		"		"		х
111-91-1	Bis(2-chloroethoxy)metha ne	< 87.9	U	µg/kg dry	481	87.9	1	"	"	"	"	"	х
111-44-4	Bis(2-chloroethyl)ether	< 87.5	U	µg/kg dry	244	87.5	1				"		х
108-60-1	Bis(2-chloroisopropyl)ethe r	< 87.4	U	µg/kg dry	244	87.4	1	u	"	"	"		х
117-81-7	Bis(2-ethylhexyl)phthalate	< 120	U	µg/kg dry	244	120	1	"			"	"	х
101-55-3	4-Bromophenyl phenyl ether	< 97.3	U	µg/kg dry	481	97.3	1	u	"	"	"	"	х
85-68-7	Butyl benzyl phthalate	< 107	U	µg/kg dry	481	107	1		"		"		х
86-74-8	Carbazole	< 124	U	µg/kg dry	244	124	1				"		х
59-50-7	4-Chloro-3-methylphenol	< 99.8	U	µg/kg dry	481	99.8	1		"		"		х
106-47-8	4-Chloroaniline	< 99.3	U	µg/kg dry	244	99.3	1		"		"		х
91-58-7	2-Chloronaphthalene	< 84.6	U	µg/kg dry	481	84.6	1		"		"		х
95-57-8	2-Chlorophenol	< 86.1	U	µg/kg dry	244	86.1	1		"		"		х
7005-72-3	4-Chlorophenyl phenyl ether	< 90.4	U	µg/kg dry	481	90.4	1	"	"	u	"	"	х
218-01-9	Chrysene	< 23.8	U	µg/kg dry	97.3	23.8	1				"	"	х
53-70-3	Dibenzo (a,h) anthracene	< 17.9	U	µg/kg dry	97.3	17.9	1		"		"		х
132-64-9	Dibenzofuran	< 17.9	U	µg/kg dry	244	17.9	1		"		"		х
95-50-1	1,2-Dichlorobenzene	< 80.9	U	µg/kg dry	481	80.9	1		"		"		х
541-73-1	1,3-Dichlorobenzene	< 85.5	U	µg/kg dry	481	85.5	1		"		"		х
106-46-7	1,4-Dichlorobenzene	< 79.7	U	µg/kg dry	481	79.7	1		"		"		х
91-94-1	3,3'-Dichlorobenzidine	< 97.7	U	µg/kg dry	481	97.7	1		"		"	"	х
120-83-2	2,4-Dichlorophenol	< 82.9	U	µg/kg dry	244	82.9	1		"		"	"	х
84-66-2	Diethyl phthalate	< 100	U	µg/kg dry	481	100	1		"		"		х
131-11-3	Dimethyl phthalate	< 94.8	U	µg/kg dry	481	94.8	1		"		"		х
105-67-9	2,4-Dimethylphenol	< 82.5	U	µg/kg dry	481	82.5	1		"	"	"		Х
84-74-2	Di-n-butyl phthalate	< 108	U	µg/kg dry	481	108	1		"	"	"		Х
534-52-1	4,6-Dinitro-2-methylphenol	< 128	U	µg/kg dry	481	128	1	"	"		"	"	х
51-28-5	2,4-Dinitrophenol	< 127	U	µg/kg dry	481	127	1	"	"		"	"	х
121-14-2	2,4-Dinitrotoluene	< 100	U	µg/kg dry	244	100	1	"	"		"	"	х
606-20-2	2,6-Dinitrotoluene	< 94.5	U	µg/kg dry	244	94.5	1	"	"		"	"	х
117-84-0	Di-n-octyl phthalate	< 104	U	µg/kg dry	481	104	1	"	"		"	"	х
206-44-0	Fluoranthene	< 24.4	U	µg/kg dry	97.3	24.4	1	"	"		"	"	х
86-73-7	Fluorene	< 23.3	U	µg/kg dry	97.3	23.3	1	"	"		"	"	х
118-74-1	Hexachlorobenzene	< 106	U	µg/kg dry	244	106	1	"	"		"	"	х
87-68-3	Hexachlorobutadiene	< 77.5	U	µg/kg dry	244	77.5	1	"	"	"	"	"	х

Sample Ic TP-07-3' SC07216	lentification -03			<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date May-15 14			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by C	GCMS											
	tile Organic Compounds												
Prepared 77-47-4	by method SW846 3545A Hexachlorocyclopentadien e	< 88.8	U	µg/kg dry	244	88.8	1	SW846 8270D	12-May-1 5	12-May-1 5	MSL	1509247	х
67-72-1	Hexachloroethane	< 93.5	U	µg/kg dry	244	93.5	1	"		"	"	"	х
193-39-5	Indeno (1,2,3-cd) pyrene	< 19.9	U	µg/kg dry	97.3	19.9	1	"	"		"	"	х
78-59-1	Isophorone	< 85.0	U	µg/kg dry	244	85.0	1	"	"	"	"	"	х
91-57-6	2-Methylnaphthalene	< 20.1	U	µg/kg dry	97.3	20.1	1	"	"	"	"	"	х
95-48-7	2-Methylphenol	< 86.4	U	µg/kg dry	481	86.4	1	"	"	"	"	"	х
108-39-4, 106-44-5	3 & 4-Methylphenol	< 108	U	µg/kg dry	481	108	1	"	"	"	"	"	Х
91-20-3	Naphthalene	< 19.8	U	µg/kg dry	97.3	19.8	1	"	"		"	"	Х
88-74-4	2-Nitroaniline	< 96.5	U	µg/kg dry	481	96.5	1	"	"		"	"	Х
99-09-2	3-Nitroaniline	< 115	U	µg/kg dry	481	115	1	"	"	"	"	"	Х
100-01-6	4-Nitroaniline	< 139	U	µg/kg dry	244	139	1	"	"	"	"	"	Х
98-95-3	Nitrobenzene	< 94.5	U	µg/kg dry	244	94.5	1	"	"	"	"	"	х
88-75-5	2-Nitrophenol	< 80.6	U	µg/kg dry	244	80.6	1	"	"	"	"	"	х
100-02-7	4-Nitrophenol	< 130	U	µg/kg dry	1930	130	1		"	"	"	"	Х
621-64-7	N-Nitrosodi-n-propylamine	< 104	U	µg/kg dry	244	104	1		"	"	"	"	Х
86-30-6	N-Nitrosodiphenylamine	< 113	U	µg/kg dry	481	113	1		"	"	"	"	Х
87-86-5	Pentachlorophenol	< 115	U	µg/kg dry	481	115	1		"		"	"	х
85-01-8	Phenanthrene	< 23.7	U	µg/kg dry	97.3	23.7	1		"		"	"	х
108-95-2	Phenol	< 87.6	U	µg/kg dry	481	87.6	1		"		"	"	х
129-00-0	Pyrene	< 20.7	U	µg/kg dry	97.3	20.7	1		"		"	"	х
120-82-1	1,2,4-Trichlorobenzene	< 76.6	U	µg/kg dry	481	76.6	1		"		"	"	х
95-95-4	2,4,5-Trichlorophenol	< 99.6	U	µg/kg dry	481	99.6	1	"	"		"	"	х
Surrogate	recoveries:												
321-60-8	2-Fluorobiphenyl	58			30-13	30 %		"	"		"	"	
367-12-4	2-Fluorophenol	76			30-13	30 %		"	"		"	"	
4165-60-0	Nitrobenzene-d5	61			30-13	30 %		"	"		"	"	
4165-62-2	Phenol-d5	76			30-13	30 %		"	"		"	"	
1718-51-0	Terphenyl-dl4	70			30-13	80 %		"	"		"	"	
118-79-6	2,4,6-Tribromophenol	76			30-13	80 %		"	"	"	"	"	
	y Identified Compounds by method SW846 3545A												
	Tentatively Identified Compounds	None found		µg/kg dry			1	SW846 8270D TICS	"	"	MSL	"	
Total Meta	als 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-1 5	14-May-1 5	BJW	1509210	х
7440-38-2	Arsenic	17.0		mg/kg dry	1.97	0.318	1	"	"		"	"	х
7440-39-3	Barium	995		mg/kg dry	1.31	0.0780	1	"	"		"	"	х
7440-43-9	Cadmium	0.779		mg/kg dry	0.657	0.0210	1	"	"		"	"	х
7440-47-3	Chromium	26.1		mg/kg dry	1.31	0.125	1	"	"		"	"	х
7439-97-6	Mercury	1.20	GS1, D	mg/kg dry	0.205	0.0134	5	SW846 7471B	•	13-May-1 5	YR	1509211	Х
7439-92-1	Lead	1,560		mg/kg dry	1.97	0.363	1	SW846 6010C	•	14-May-1 5	BJW	1509210	Х
7782-49-2	Selenium	1.27	J	mg/kg dry	1.97	0.493	1	"	"	"	"	"	х

Sample Identification TP-07-3' SC07216-03						<u>Matrix</u> Soil	x Collection Date/Time 08-May-15 14:10			<u>Re</u> 11-1		
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 Ic TP-06-1.5 SC07216-				<u>Client Pr</u> 2150			<u>Matrix</u> Soil		ection Date May-15 13			<u>ceived</u> May-15	
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/700	0 Series Methods											
7440-22-4	Silver	< 0.113	U	mg/kg dry	1.55	0.113	1	SW846 6010C	12-May-1 5	14-May-1 5	BJW	1509210	х
7440-38-2	Arsenic	7.93		mg/kg dry	1.55	0.250	1		"	"	"		Х
7440-39-3	Barium	102		mg/kg dry	1.03	0.0614	1		"	"	"		Х
7440-43-9	Cadmium	0.406	J	mg/kg dry	0.517	0.0165	1		"	"	"		Х
7440-47-3	Chromium	12.7		mg/kg dry	1.03	0.0987	1		"	"	"	"	Х
7439-97-6	Mercury	0.766	GS1, D	mg/kg dry	0.163	0.0107	5	SW846 7471B	"	13-May-1 5	YR	1509211	х
7439-92-1	Lead	176		mg/kg dry	1.55	0.285	1	SW846 6010C	"	14-May-1 5	BJW	1509210	х
7782-49-2	Selenium	0.434	J	mg/kg dry	1.55	0.388	1		"	"	"		Х
General C	Chemistry Paramete	rs											
	% Solids	87.6		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509146	

MW-07	SC07216-05				<u>Project #</u> 0606	6 Ground Water					<u>Received</u> 11-May-15		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolati	ile Organic Compounds by (	GC											
	Ilorine Pesticides												
<u>Prepareo</u> 319-84-6	by method SW846 3510C alpha-BHC	< 0.006	U	ug/l	0.021	0.006	1	SW846 8081B	12-May-1	13-May-1	TG	1509203	x
010-04-0	арпа-вно	< 0.000	0	µg/l	0.021	0.000	I	30040 000 IB	5	13-May-1 5	10	1509205	^
319-85-7	beta-BHC	< 0.009	U	µg/l	0.021	0.009	1	"	"	"	"	"	Х
319-86-8	delta-BHC	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
58-89-9	gamma-BHC (Lindane)	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
76-44-8	Heptachlor	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
309-00-2	Aldrin	< 0.006	U	μg/l	0.021	0.006	1			"			Х
1024-57-3	Heptachlor epoxide	< 0.008	U	μg/l	0.021	0.008	1			"			Х
959-98-8	Endosulfan I	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
60-57-1	Dieldrin	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
72-55-9	4,4'-DDE (p,p')	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
72-20-8	Endrin	< 0.006	U	µg/l	0.043	0.006	1		"	"	"	"	Х
33213-65-9	Endosulfan II	< 0.007	U	µg/l	0.043	0.007	1		"	"	"	"	Х
72-54-8	4,4'-DDD (p,p')	< 0.007	U	µg/l	0.043	0.007	1		"	"	"	"	Х
1031-07-8	Endosulfan sulfate	< 0.007	U	µg/l	0.043	0.007	1		"	"	"	"	Х
50-29-3	4,4'-DDT (p,p')	< 0.013	U	µg/l	0.043	0.013	1		"	"	"	"	Х
72-43-5	Methoxychlor	< 0.024	U	µg/l	0.043	0.024	1		"	"	"	"	Х
53494-70-5	Endrin ketone	< 0.007	U	µg/l	0.043	0.007	1		"	"	"	"	Х
7421-93-4	Endrin aldehyde	< 0.005	U	µg/l	0.043	0.005	1		"	"	"	"	Х
5103-71-9	alpha-Chlordane	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
5566-34-7	gamma-Chlordane	< 0.007	U	µg/l	0.021	0.007	1		"	"	"	"	Х
8001-35-2	Toxaphene	< 0.261	U	µg/l	0.532	0.261	1		"	"	"	"	Х
57-74-9	Chlordane	< 0.056	U	µg/l	0.069	0.056	1		"	"	"	"	Х
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			30-15	0 %		"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	98			30-15	0 %		"	"		"	"	
2051-24-3	Decachlorobiphenyl (Sr)	53			30-15	0 %		"		"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	54			30-15	0 %		"	"	n	"	"	

TP-02-5.5	Sample Identification TP-02-5.5' SC07216-08			Client Project #Matrix2150606Soil			· · · · · · · · · · · · · · · · · · ·	Collection Date/Time 08-May-15 10:30					
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Meta	als by EPA 6000/7000 Se	eries Methods											
7439-97-6	Mercury	1.80	GS1, D	mg/kg dry	0.218	0.0142	5	SW846 7471B	12-May-1 5	13-May-1 5	YR	1509211	х
7439-92-1	Lead	283		mg/kg dry	2.18	0.400	1	SW846 6010C	"	14-May-1 5	BJW	1509210	Х
General C	hemistry Parameters												
	% Solids	68.3		%			1	SM2540 G Mod.	11-May-15	11-May-15	DT	1509155	

TP-03-2'	SC07216-09			<u>Client P</u> 2150			<u>Matrix</u> Soil		ection Date -May-15 11			<u>Received</u> 11-May-15		
CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.	
<b>Total Meta</b> 7440-43-9	als by EPA 6000/7000 Ser Cadmium	ies Methods 0.233	J	mg/kg dry	0.585	0.0187	1	SW846 6010C	12-May-1 5	14-May-1 5	BJW	1509210	х	
General C	hemistry Parameters % Solids	83.5		%			1	SM2540 G Mod.	-	-	DT	1509155		

Semivolatile	<b>Organic</b>	Compounds	by GCMS	5 - Quality	Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limi
Batch 1509247 - SW846 3545A										
Blank (1509247-BLK1)					Pre	epared & Ar	nalyzed: 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 U	µg/kg wet	68.1						
4-Chloroaniline	< 67.8 < 57.8	U	µg/kg wet	67.8 57.8						
2-Chloronaphthalene 2-Chlorophenol	< 57.8	U	µg/kg wet µg/kg wet	58.7						
4-Chlorophenyl phenyl ether	< 61.7	U	µg/kg wet µg/kg wet	61.7						
Chrysene	< 16.2	U	µg/kg wet µg/kg wet	16.2						
Dibenzo (a,h) anthracene	< 12.2	U	µg/kg wet 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	<b>Organic</b>	Compounds	by GCMS	5 - Quality	Control

nalyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limi
atch 1509247 - SW846 3545A										
Blank (1509247-BLK1)					Pre	epared & Ar	nalyzed: 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)					Pre	epared & Ar	nalyzed: 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		

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)					Pre	epared & Ar	nalyzed: 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 2-Nitroaniline	1350		µg/kg wet	13.5 65 9	1660 1660		81 98	40-140 40-140		
3-Nitroaniline	1630 1370		µg/kg wet µg/kg wet	65.8 78.6	1660 1660		90 83	40-140 40-140		
4-Nitroaniline	1800		µg/kg wet µg/kg wet	95.0	1660		108	40-140 40-140		
Nitrobenzene	1440		µg/kg wet µg/kg wet	64.4	1660		87	40-140		
2-Nitrophenol	1430		µg/kg wet	55.0	1660		86	30-130		
4-Nitrophenol	1430	J	µg/kg wet	88.7	1660		71	30-130		
N-Nitrosodimethylamine	1240	5	µg/kg wet 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		
_, .,	1510		µg/kg wet	70.3	1660		91	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1509247 - SW846 3545A										
LCS (1509247-BS1)					Pre	epared & Ar	nalyzed: 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		

nalyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
atch 1509203 - SW846 3510C		0					-			
Blank (1509203-BLK1)					Prz	nared 12₋	Mav-15 An	alyzed: 13-N	lav-15	
alpha-BHC	< 0.005	U	µg/l	0.005	<u>1 10</u>				hay-15	
alpha-BHC [2C]	< 0.005	U	μg/i μg/l	0.005						
beta-BHC	< 0.008	U		0.008						
beta-BHC [2C]	< 0.008	U	µg/l	0.008						
		U	µg/l							
delta-BHC	< 0.006		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		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
• */	Result	1 lug	Onito	KDL	Level	ixeouit	, utile	Linits		Liiiit
Batch 1509203 - SW846 3510C					Dr	parad: 12		nalyzed: 13-N	101 15	
LCS (1509203-BS1)	0.444			0.005		epareu. 12-			<u>//ay-15</u>	
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 delta-BHC [2C]	0.274		µg/l	0.006 0.005	0.500 0.500		55 56	40-140 40-140		
gamma-BHC (Lindane)	0.278 0.433		µg/l	0.005	0.500		56 87	40-140 40-140		
<b>o</b> ( )			µg/l	0.007	0.500		84	40-140 40-140		
gamma-BHC (Lindane) [2C] Heptachlor	0.420 0.443		µg/l	0.000	0.500		89	40-140 40-140		
Heptachlor [2C]			µg/l	0.007	0.500		89 94	40-140 40-140		
Aldrin	0.468 0.456		µg/l	0.006	0.500		94 91	40-140 40-140		
Aldrin [2C]	0.456		µg/l µg/l	0.000	0.500		95	40-140 40-140		
Heptachlor epoxide	0.469			0.007	0.500		93 94	40-140		
Heptachlor epoxide [2C]	0.469		µg/l µg/l	0.007	0.500		94 94	40-140 40-140		
Endosulfan I	0.471		μg/i μg/l	0.000	0.500		94 93	40-140 40-140		
Endosulfan I [2C]	0.469		μg/i μg/l	0.007	0.500		93 94	40-140		
Dieldrin	0.409		μg/i μg/l	0.007	0.500		94 95	40-140		
Dieldrin [2C]	0.473		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	0.007	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)					Pre	epared: 12-	May-15 Ar	alyzed: 13-N	<u>/lay-15</u>	
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

.nalyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPI Lim
	Kesuit	Flag	Onits	KDL	Level	Result	70KEC	Linnts	KFD	LIIII
atch 1509203 - SW846 3510C										
LCS Dup (1509203-BSD1)					Pre	epared: 12-	May-15 Ar	nalyzed: 13-N	<u>/lay-15</u>	
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	0.020	0.500		81	40-140	17	20
Endrin ketone	0.457		μg/l	0.002	0.500		91	40-140	0.05	20
Endrin ketone [2C]	0.385		μg/l	0.007	0.500		77	40-140	14	20
Endrin aldehyde	0.385			0.005	0.500		86	40-140	2	20
Endrin aldehyde [2C]	0.429		µg/l	0.005	0.500		79	40-140	13	20
alpha-Chlordane	0.395		µg/l	0.007	0.500		79 80	40-140 40-140	2	20
alpha-Chlordane [2C]			µg/l							20
	0.357		µg/l	0.006	0.500		71	40-140	13	
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										
<u>Blank (1509210-BLK1)</u>					Pre	epared: 12-	May-15	Analyzed: 14-N	<u>1ay-15</u>	
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: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 14-N	<u>lay-15</u>	
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
<u> Matrix Spike (1509210-MS1)</u>			Source: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 14-M	lay-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: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 14-M	lay-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	QIN	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: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 14-M	<u>lay-15</u>	
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)					Pre	epared: 12-	May-15	Analyzed: 14-M	lay-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		

					Spike	Source		%REC		RPE
nalyte(s)	Result	Flag	Units	*RDL	Level	Result	%REC	Limits	RPD	Limi
atch 1509210 - SW846 3050B										
Reference (1509210-SRM1)					Pre	epared: 12-	May-15	Analyzed: 14-N	lay-15	
Barium	80.2		mg/kg wet	0.0594	84.7		95	82.03-117 .36		
Reference (1509210-SRM2)					Pre	epared: 12-	May-15	Analyzed: 14-N	lay-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		
Arsenic	52.8		mg/kg wet	0.242	61.8		85	.43 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		
atch 1509211 - EPA200/SW7000 Series										
Blank (1509211-BLK1)					Pre	epared: 12-	May-15	Analyzed: 13-M	lay-15	
Mercury	< 0.0019	U	mg/kg wet	0.0019						
Duplicate (1509211-DUP1)			Source: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 13-N	lay-15	
Mercury	0.522	GS1, QR6, D	mg/kg dry	0.0107		0.766			38	20
Matrix Spike (1509211-MS1)			Source: SC	<u>07216-04</u>	Pre	epared: 12-	May-15	Analyzed: 13-N	lay-15	
Mercury	0.933	QM8, D	mg/kg dry	0.0107	0.228	0.766	73	75-125		
Matrix Spike Dup (1509211-MSD1)			Source: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 13-M	lay-15	
Mercury	1.01	D	mg/kg dry	0.0099	0.211	0.766	115	75-125	8	20
Post Spike (1509211-PS1)			Source: SC	07216-04	Pre	epared: 12-	May-15	Analyzed: 13-M	lay-15	
Mercury	1.02	D	mg/kg dry	0.0107	0.227	0.766	110	80-120		
Reference (1509211-SRM1)					Pre	epared: 12-	May-15	Analyzed: 13-N	lay-15	
Mercury	1.54	D	mg/kg wet	0.0392	1.33		116	74.62-125 .62		

Semivolatile Organic Cor	npounds by GC $\cdot$	- Pesticide Breakdown Report
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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. The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD. QR6 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.

<u>Matrix Spike</u>: 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.

<u>Method Blank</u>: 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.

<u>Method Detection Limit (MDL)</u>: 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.

<u>Reportable Detection Limit (RDL)</u>: 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.

<u>Surrogate</u>: 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.

<u>Continuing Calibration Verification</u>: 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

Rev. Jan 2014	11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical dom JUUN	4076 • www.spec	• FAX 413-789-	13-789-9018	A 01001 • 4	·e • Agawam, M	11 Almgren Driv		
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11 Almgren Drive • Agawam, MA 01001 • 413-789-9018 • FAX 413-789-4076 • www.spectrum-analytical.com			5/115 830	2/8/15 1800	Date: . Time:					1 05	1 05.	50 1	Ma # of # of	atrix VOA '	r Glass Glass		Containers	6=Ascorbic Acid 12=	150606 Quote/RON:		SAME	Tichera Chasen	Note Da Al	Page 2 of 2	CHAIN OF CUSTODY RE	
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Engineering Architecture Environmental

## **APPENDIX 3**

**1991 Soil Boring Report Appendices** 

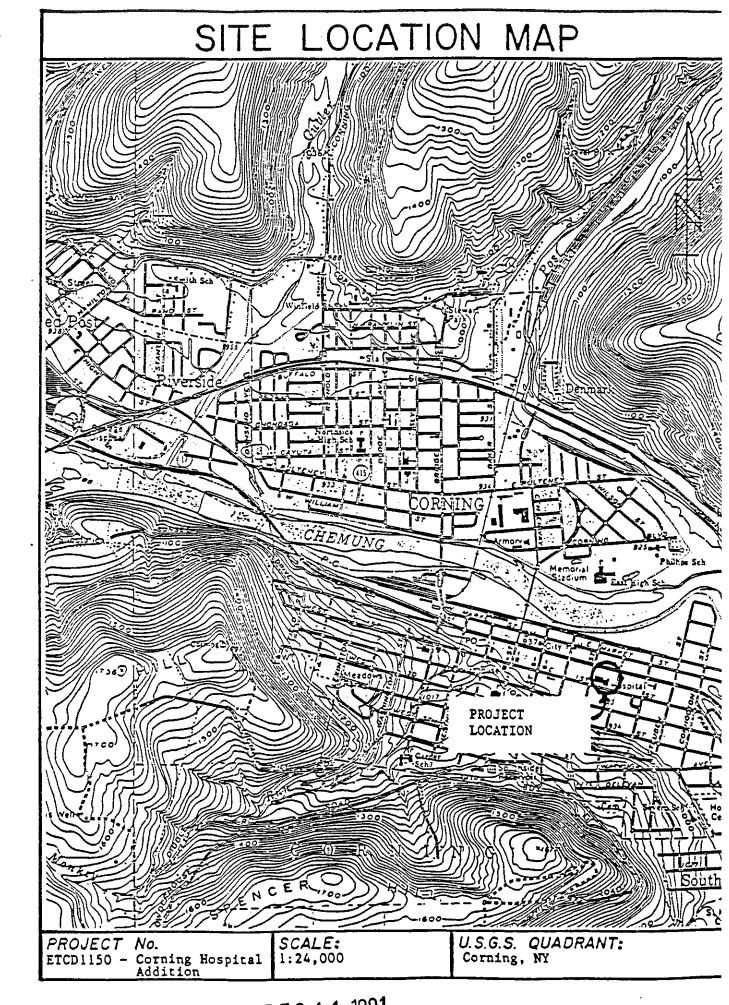
### APPENDIX I

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### SITE LOCATION MAP

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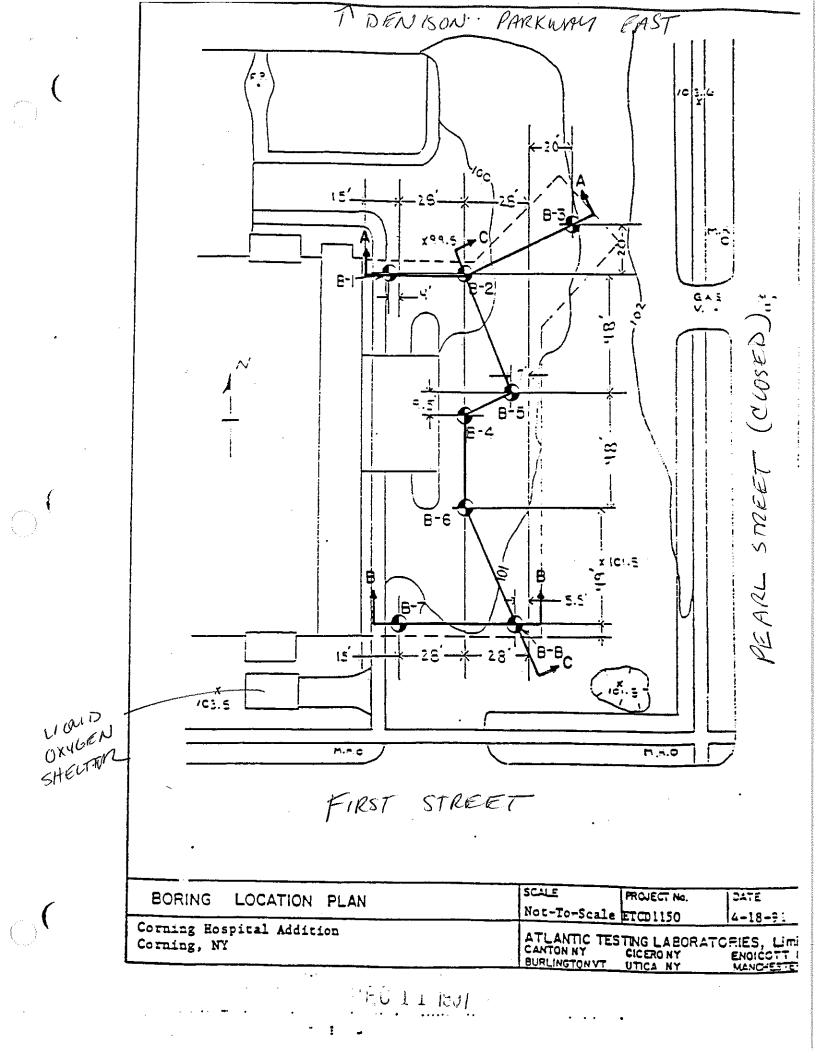
## APPENDIX II

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### BORING LOCATION PLAN



## APPENDIX III

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## SOIL BORING LOGS

al ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

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1       0.0       0.4       AUGER       0.4'       ASPHALT         1       0.4       1.0       AUGER       1.0'       Brown cmf GRAVEL; and cmf SAND         1       1       1.0       3.0       ss       5       Dark Brown cmf GRAVEL; and cmf SAND;         1       1       2       3.0'       Ss       5       Dark Brown cmf GRAVEL; and cmf SAND;         1       1       2       3.0'       Ss       2       Brown cmf GRAVEL; and cmf SAND;         1       1       2       3.0'       Ss       2       Brown cmf GRAVEL; and cmf SAND;         1       1       13       13       Slightly plastic)       Slightly plastic)         1       1       17       5.0'       Sightly plastic)       Sightly plastic)         1       1       10       7.0'       Slightly plastic)       Sightly plastic)         1       10       10       7.0'       Similar Soils (saturated, non-plastic)         1       10       11       11       Similar Soils (saturated, non-plastic)         1       11       11       11       Similar Soils (saturated, non-plastic)         1       1       12       25       25       27	DEPTH	CASING	1.0W3/FT.	SAMPLE No.	OF SAMPL	TH . E		BLOWS ON SAMPLER PER <u>S⁴</u> Sampler		f-fine m-medium	and - 3 some - 2 jittle - 1	5 - 50 % 0 - 35 % 0 - 20 %
0.4       1.0       AUGER       1.0'       Brown cmf GRAVEL; and cmf SAND         1       1.0       3.0       ss 5       Dark Brown cmf GRAVEL; and cmf         1       1.0       2       Dark Brown cmf GRAVEL; and cmf         1       2       3.0'       Ss 5         1       2       2.0'       Dark Brown cmf GRAVEL; and cmf         1       2       2.0'       Brown cmf GRAVEL; and cmf SAND;         1       2       3.0'       Ss 2         1       1       13       Ittle SILT; trace CLAY (moist, slightly plastic)         1       3A       5.0       7.0       ss 4         1       3A       5.0       7.0 ss 4       6.0'       Singhtly plastic)         1       3A       5.0       7.0 ss 4       6.0'       Singhtly plastic)         1       3A       5.0       7.0 ss 4       6.0'       Singhtly plastic)         1       3A       5.0       7.0 ss 4       6.0'       Singhtly plastic)         10       10       7.0'       Ittle SILT (wet, non-plastic)       Similar Soils (saturated, non-plastic)         1       11       11       11       11       11       11         1       25 <th></th> <th></th> <th>7</th> <th>!  </th> <th></th> <th></th> <th>AUC</th> <th></th> <th>10 4'</th> <th>ASPHALT</th> <th></th> <th></th>			7	! 			AUC		10 4'	ASPHALT		
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0       4       7.0       8.5       ss       8         0       4       7.0       8.5       ss       8         0       4       7.0       8.5       ss       8         1       10       10       10       trace SILT (wet, non-plastic)         1       11       11       11       11         1       11       11       11       11         1       11       11       11       11         1       11       11       11       11         1       11       11       11       11         1       12       11       11       11         1       12       11       11       11         1       12       11       11       11         1       12       12       13       11         1       25       13       13       14       14         1       25       18       13       14       14         1       28       25       18       11       14       14			t				<u> </u>		6.0'	slightly plas	tic)	SAND.
C       4       7.0       8.5       ss       8         D       10       10       10       10       10       10       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       12       12       12		1		<u>3B</u>			┼──	8	7.0'	little SILT (	wet, non-pla	stic)
30          5       9.0       11.0       ss       8         Image: Straight of the strai		<u> </u>		4	7.0	8.5	SS					
5     9.0     11.0     ss     8       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       11     11       12     12       13     13       14     12       15     18       15 <td></td> <td></td> <td>∍</td> <td></td> <td></td> <td></td> <td></td> <td>A second s</td> <td></td> <td>trace SILT (w</td> <td>et, non-plas</td> <td>tic)</td>			∍					A second s		trace SILT (w	et, non-plas	tic)
j     j     j       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i       i     i <t< td=""><td>_</td><td><u>                                      </u></td><td>&lt;</td><td></td><td></td><td><u> </u></td><td><u> </u></td><td></td><td>-{</td><td>Similar Soile</td><td>(caturated.</td><td></td></t<>	_	<u>                                      </u>	<			<u> </u>	<u> </u>		-{	Similar Soile	(caturated.	
6     15.0     17.0     ss     17       6     15.0     17.0     ss     17       25     25       27     25       27     27       7     20.0     22.0       28     25	_		+	5	9.0		<u>s</u> s		-	plastic)	(Baturated)	<b>NO</b>
6       15.0       17.0       ss       17         6       15.0       17.0       ss       17         25       25       25       25         7       20.0       22.0       ss       18         7       20.0       22.0       ss       18         28       25       25       25	_	1										,
0         13.0         17.0         0         25           25         25         27           7         20.0         22.0         ss         18           28         25         25         27			Ľ				<u> </u>		1			
0         1310         25           25         25           27           7         20.0         22.0         ss         18           28		+	┢	6	15.0	1 17.0	55	17	-	Similar Soils	(saturated)	
7         20.0         22.0         ss         18         Similar Soils           7         20.0         22.0         ss         18         Similar Soils		+	╞		12.0			25	1		-	
7         20.0         22.0         ss         18         Similar Soils           7         20.0         22.0         ss         18         Similar Soils									4			
		1	+		. <u> </u>		+	<u> </u>	<u>′</u>			
28 25	-	+	╂	7	20.0	22.0	55	18	-1	Similar Soils	5	
								28				
		-						I	-			
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$\odot^{C}$	DEFTH	CABING CABING BLOWB/FT.	BAMPLE No.	[ (		TYPE DANFLE	BLOWS ON Sampler	DEPTH OF Change	CLASSIFICATION         OF         MATERIAL           f = fime         and = 35-50%         and = 35-50%           m = medium         some = 20-35%         and = 10-20%           c = coerse         little = 10-20%         and = 10-20%	PFWFTWATION
			8	25.0	<b>то</b> 27.0	ss	25		Similar Soils	
		е ш	-				27			<u> </u>
		0					<u>28</u> 35		}	-
			9	30.0	32.0					_
		Ď		20.0	52.0	55	24		Similar Soils	-
				<u> </u>	1		<u>29</u> 33		F	_
					l				Boring Terminated at 32.0'	-
									-	<b></b>
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ATLANTIC TESTING LABORATORIES, Limite

SUBSURFACE INVESTIGATION

Report No. ETCD1150-1-5-91

Ċ	LIE	NT.	<u>Co</u> Co	rning Ho	<u>ospital</u> NY				Location of Baring See Plan	_
P	R0.	JEC	T Sul	osurfac	e Invest	igat	ion-Proposed	Build		_
			Ad	11010,	Corning	Hos	pital, Corni	ng, NY	Dote, start <u>4/18/91</u> Finish <u>4/18/91</u>	
\ - F	N L Foll	Co.	ing H	2 ammer lb i 101.0'±	s. Wi n. Fa Ca	Som;  il sing	f2 pler hammer <u>140</u> ibs <u>30</u> in	. 4/	Ground Woter Observations           Dote         Time         Depth         Coeing at           /18/91         PM         20.0'         32.0'           /18/91         PM         13.0'         Caved at	_
	i		<u>.</u>		H.	S. Augi	<u>4-1/4"</u> 1.	D.		_
DEPTH	A SING	BLOWS/FT	3AMPLE No		РТН F Ч. I	T YPE Bample	BLOWS ON Sampler Per <u>s"</u> Sampler	OEPTH Of Change	CLASSIFICATION       OF       MATERIAL         f-fine       and       35-50%         m-medium       little       10-20%         c-caorse       frace       0-10%	IE TRATIUN
		.ē		FROM	<u>! то</u>	}	<u>aa</u> _2*	<u> </u>	c -caorse trace - 0 - 10%	
ļ	-	$\frown$		0.0	0.4	AUG		0.4'	ASPHALT	
	{ 	+	1	0.4	1.0	AUG		1.0'	Brown cmf GRAVEL; and cmf SAND	_
							18	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		3.0	Brown cmf GRAVEL; and cmf SAND; trace SILT (moist, non-plastic)	_
		1						5.0'	Possible Fill	
	6	। ਤ	3	5.0	7.0	ss 	12 12 8	7.0'	Tan cmf GRAVEL; and cmf SAND; little SILT; trace CLAY (moist, slightly plastic) Possible Fill	
		- A	4	7.0	9.0	SS.		7.0	Brown cmf GRAVEL; and cmf SAND; little SILT; trace CLAY (very small amount Coal) (moist,	_
			5	9.0	11.0	SS	8 6 6	9.0'	slightly plastic) Possible Fill Similar Soils (wet, non-plastic) smaller proportions of SULT and	
							8	13.0'	CLAY; no evidence of FILL (wet, non-plastic)	-
			6	15.0	17.0	SS	19 18		Brown cmf GRAVEL; and cmf SAND;	-
				-			20 54		trace SILT (saturated, non-plastic)	_
			7	20.0	22.0	SS	17 27 40		Similar Soils	-
							<u>40</u> <u>35</u>		DEC 1 1 1991	-
	UND	): <b>S</b> ,	\$HELD	SAMPLE TUBE SAMPLE		DRIL	LERS	Mike	Hawkins, Paul McAloon	-

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## ATLANTIC TESTING LABORATORIES, Limited

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BCRING No. B-2 REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

Ŧ		-		РТИ JF		BLOWS ON SAMPLER		CLASSIFICATION OF	end = 35- 50%
DEFTH	CABING BLOWE/FT.	NALPLE No.		F.I	TVPE	PER 3A MPLER 0.0	DEPTH 05 Change	m - medium c - cograd	end = 35-50% some = 20=35% Ettis = 10-20% tracs = 0-10%
	-		FROM	70		·····	. •		troca - 0-10%
	1	8	25.0	27.0	SS	16		Similar Soils	
	¥.					21			
	Ŀ					26			
	<u> </u>					29		• •	
	<u> </u>	<u> </u>							
	4	9	30.0	32.0	ss	21		Similar Soils	
						28			
						29		-	
$\rightarrow$								Boring Terminated a	F 52 7 F
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ATLANTIC TESTING LABORATORIES, Limiter

SUBSURFACE INVESTIGATION

Report No. ______ETCD1150-1-5-91

C	LE	NT.	<u> </u>	rning Ho	<u>ospital</u> NY			<u> </u>	Location of Boring	See Plan	
Pf	20,	JEC	T Sul	osurface	nvest	igat	ion-Proposed	Build	ing		
					COLUTING	nos	pital, Corni	ng, NI	Date, start $4/1$	8/91 Finish 4/18/9	1
Bo				3 ammer			f <u>2</u> Dier Hammer	_4	Ground Dote Time /18/91 AM	Woter Observatione Depth Cosing 19.0 32	. 0 '
v			4	lb:			<u>140</u> ibs.		/18/91 AM		
F	all			i <i>i</i>	n. Fal	H	30 in				
۰.		a s		101.0±	Ca	sing					
Ξ.						S. Augi	<u>4-1/4"</u> I.	D. —			<u> </u>
	ĺ			DEF		1	BLOWE ON		CLASSIFICAT	TION OF MATERIAL	Z
Ŧ		/FT	L L	0				± w	f-fine	and - 35 - 50 %	DIT.
DEPTH	CASING	LOWS/FT	SAMPLE ND.	SAMP		T Y PE DAMPLE	PER	DEPTH DP HAHGE	m-medium	FION OF MATERIAL and -35-50% some -20-35% jittle -10-20% trace - 0-10%	NDA
ē	3	Ĭ	n	FROM	та	╡╴╸	SAMPLER	a H	C-cooree	$\frac{100}{1000} = 0 - 10\%$	
		~	Ī	0.0	0.3	AUG	· · · · · · · · · · · · · · · · · · ·	0.3'	ASPHALT		
-			1	0.3	1.0	AUG	the second s	1.0'		AVEL; and cmf SAND	1
	<u> </u>	<u> </u>	<u>  1</u>	11.0	3.0	Iss	5		Brown cmf GR	AVEL; and cmf SAND;	
		$\vdash$	<u> </u>	<u> </u>		<u> </u>	<u>  5</u>   4			(moist, non-plastic)	 
		1	1	1		1	4	3.0'	FILL		<b> </b>
		L	2	3.0	5.0	ss				AVEL; and cmf SAND;	<b>*</b>
			<u> </u> 		ļ	1	4			(Glass, Ashes, Coal)	
			<u> </u>	<u> </u>			4 5	5.0'	(moist, non-	plastic) FILL	<u> </u>
		1	3	5.0	7.0	ss	8		Tan cmf SAND	; and cmf GRAVEL; some	<u> </u>
		<u>.</u>				<u> </u>	9		SILT (moist)	,	
		5			<u> </u>	1	7	7.0'			<b></b>
		∍	4	7.0	9.0	ss	4		Brown cmf GR	AVEL; and cmf SAND;	
	•	<	ļ			<u> </u>	4		little SILT	(wet, non-plastic)	
	_		1	[		<u> </u>	5				
		┠	5	9.0	11.0	55	8		Similar Soil	s (saturated, non-	
							8		plastic)	s (sacuraceu, non-	
		┣	<u> </u>			<u> </u>	13		-		
		-					13				<u> </u>
			6	15.0	17.0	SS	15		Similar Soil	s	<b> </b>
							21				
		-					<u> </u>				
											<u> </u>
			7	20.0	22.0	SS	16		Brown cmf GR	AVEL; some cmf SAND;	
	_						35		little SILT	(saturated, non-	
					<u> </u>	<u> </u>	35		plastic)		<b></b>
										EC 11 (J9)	<u> </u>
$\dashv$	_					ļ			-		
						l	1				
				E SAMPLE				Mike	Hawkins, Paul	Velleen	
				TUBE "		URI	LLERS			ncaloon	
-	-15	TON	TYPE	SAMPLE							

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## ATLANTIC TESTING LABORATORIES, Limited

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BCRING No B-3 REPORT No ETCD1150-1-5-91 SHEET 2 OF 2

DEFTH	CABIND BLDW6/FT.	BAMPLE No.	0	РТН 17 49-11	T Y PE GAMPLE	BLOWS ON SAMPLER PER SAMPLER	. D£FTH . Df Сманед	CLASSIFICATION OF f = fine: m - medium c - course	MATERIAL end = 35-50% some=20=35% Ettle=10=20% frocs=0=10%
9	24	•	FROM '	70		0.0.	°. 5	C - CO <b>W</b> 24	froca - 0-10%
		18	25.0	27.0	ss	22	<u> </u>	Similar Soils	
					Ì	11	1	Jimilar Duris	
-	<u>۳</u>				ļ	8	]		
	E C E	<u> </u>					ł		
	n	9	30.0	32.0		19	ł	Similar Soils	
÷	V					19	1	JIMILEL DULLS	
						11	1		
						18			
								Boring Terminated at	32.01
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SUBSURFACE INVESTIGATION Rep

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Report No. ETCD1150-1-5-91

PR	0J	EC.	Add:	surface ition,	Invest: Corning	Host Host	on-Proposed oital, Corni	Buildi ng, NY(	ing Date, stort <u>4/17/91</u> Finish <u>4/17/9</u>	1
Bor	ng	No.	<u>B-4</u>		Sheet				Ground Water Observations Date Time Depth Casing /17/91 PM 22.0' 32	۹ţ
			•	mmsr .			ier Hammer		<u>/17/91 PM 22.0' 32</u> /17/91 PM 13.0' Caved	
				Ibs. in			140 lbs 30 in			_
					-					
31	047	d El	ev	101.0'			<u>, 4-1/4"</u> I.	D. —		
		<u>.</u>		QEP			CLOWS ON		CLASSIFICATION OF MATERIAL	
	CASING	WS/F1	3AMPLE Mộ	OF Sanpi		T Y PE BAMPLE	SAMPLER PER <u>8</u> "	DEPTH Of Hamge	and         -35         -50         %           f-fine         some         20         -35         %           m-medium         liftle         10         -20%         c           c         -coorse         frace         0         -10%	HDANC
	Ş		<b>Š</b>	FROM	70	]⊢≦ ∣	SAMPLER	α Ξ	c -coorse $\operatorname{trace} = 0 - 10\%$	1 I
		7		0.0	0.3	AUG		1 0.3'	ASPHALT	i
	4			0.3		I AUG		1.0'	Brown cmf GRAVEL; and cmf SAND	T
		l	1	1.0	3.0	Iss			Blackish-Brown cmf SAND; and cmf	L
_						1	8	1	GRAVEL; some SILT (moist, non- plastic) Possible Fill	┝
							4	3.0'		F
_			2	3.0	5,0 '	lss	2	1	Tan cmf SAND; some SILT; some cmf GRAVEL (moist, non-plastic)	1-1-
						<u>†</u>	4		GRAVEE (morst, non-prestic)	
-			3	5.0	7.0	155	7	5.0'	Brown cmf SAND; and cmf GRAVEL;	-
	2	2					12		some SILT; trace CLAY (moist,	E
	1 1 1	_				1	12	7.0'	very slightly plastic) Probable Fill	$\left  \right $
			4	7.0	9.0	SS			Brown cmf GRAVEL; and cmf SAND;	+
	•	٢					7	]	little SILT (moist, non-plastic)	
-						<u> </u>	11 7	4		+
_	_		5	9.0	11.0	ss.	13 /	4	Similar Soils (wet, non-plastic)	┢
							15	1		
							13	4		
_						<u>  .</u>	1	1		ŀ
			6	15.0	17.0	SS	16	1	Brown cmf GRAVEL; some cmf SAND;	ŀ
						<u> </u>	15	4	little SILT (saturated, non-	ļ
_	$\square$				· .	+	20	4	plastic)	+
_				·				1		ł
			7	20.0	22.0	SS	15	4	Similar Soils	
_						1	17	4		$\left  \right $
	$\square$					1	9	1		-
							<u> </u>	]		
					ļ			-	DEC 1 1 1991	
					L	1	L	<u> </u>		

		80	RENG No	B-4	-	STING L		50-1-5-91 SEET 2 OF 2	
DEPTH	CANING BLOWE/FT.	BAMPLE X9.			3 JANKA	BLOWB ON SAMPLER PER SAMPLER G.D.	86 PTH 0 F Change	CLASSIFICATION       OF       MATERIAL         f = fine       and = 35-         m = medium       eome = 20-         c = coerse       Sitile = 10-         frocs = 0-       frocs = 0-	- 50 % 35 % 20 %
	•		FROM	TO		4 J		troce - 0-	10%
		18	25.0	27.0	SS	18		Similar Soils	
	×	<u> </u>				19			
-+	е С			!		<u>19</u> 23			
								:	
	V	9	30.0	32.0	SS			Similar Soils	
					<b></b>	29			
						3339			
								Boring Terminated at 32.0'	
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ATLANTIC TESTING LABORATORIES, Limiter

SUBSURFACE INVESTIGATION Report

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Report No. _ETCD1150-1-5-91

		Cas	B-	5 	Sheet	lof Sampi	2 Ier Kammer	4/	Ground Water Observations Ground Water Observations Date Time Depth Casin 18/91 AM Drv 2 18/91 AM 13.3' Cave	g et 28.0
					s. Wt	. —	140 ibs in		18/91 AM 13.3' Cave	ed a
-				ii	_		in			
Gr	oun	id E	lev	101.0±	-		<u>, 4-1/4"</u> I.	<u> </u>		
			<u> </u>			5. Auge		ע. ד ד	CLASSIFICATION OF MATERIAL	
		۲ ۲	ω		РТН	ш	BLOWS ON			
	CA SING	NS /	SAMPLE NQ	O SANP		T Y PE D A M P L E	8AMPLER PER <u>\$</u> "	DEPTH OF NANGE	f-fine some - 20 - 35	%
	3	PLOWS/FT	Ϋ́́	FROM			SAMPLER	D Z	f-fine         and         35-50           some-20-35         some-20-35           m-medium         little - 10-20           c-coarse         trace0-10	0
_	_	-		0.0	<u>το</u> 0.3	AUC	<u>\$*</u>			
_	4	<b>—</b>		0.0	1.0		ER	0.3'	ASPHALT Brown cmf GRAVEL; and cmf SAND	
			1	1.0	3.0	l ss	10		Brown cmf GRAVEL; and cmf SAND; Brown cmf GRAVEL; anc cmf SAND;	
						1	9		little SILT (little Glass, Coal	L, [
	_				<u> </u>		5		Brick) (moist, non-plastic) FII	L
$\neg$			2	3.0	5.0	SS	<u> </u>	3.0'	Tan f SAND; some SILT; trace CL	
	$\neg$				1 2.0	33	4		(moist, slightly plastic)	~
							4	1	(,,,,,	⊢
							4	5.0'	۰ ۱۹۹۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰ - ۲۰۰۰	
_	1		3	5.0	7.0	SS	5 7		Tannish-Brown cmf GRAVEL; and	. –
	2		[				/		<pre>cmf SAND; some SILT; trace CLAY (moist, slightly plastic)</pre>	· -
	<u>;</u> ,						13		(actor, brightly prestat)	┢
	- 2		4	7.0	9.0	\$\$			Similar Soils	
-	м 1			· <u> </u>			<u> </u>	4	•	-
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			5	9.0	11.0	SS	7		Similar Soils	F
_	_				ļ		8			
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							10	13.0'		F
			6	15.0	17.0	<b>S</b> S	10		Brown cmf GRAVEL; some cmf SANI	┆╤┝
					ļ		15	4	trace SILT (saturated, non-	
┥	$\neg$						20	{ }	plastic)	F
	$\neg$				<u> </u>		<b>▲</b> 1	1		┢
			7	20.0	22.0	<b>8</b> 5	19	]	Similar Soils	F
4	_				· · · · · · · · · · · · · · · · · · ·		33			
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ATLANTIC	TESTING	LABORATORIES,	Limited
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REPORT No. ETCD1150-1-5-91 SHEET 2 OF 2

	DEPTH	CANNE CANNE BLOWB/FT.	KANPLE No.	. DE 34	РТН 07 MPLI	T Y PE BANFLE	8LDWS ON SAMPLER PER SAMPLER Q.Q	DEPTH . OF Chanee	CLASSIFICATION         OF         MATERIAL           f = fine         end = 35-50%           m-medium         some=20=35%           c-coerse         Ettle=10=20%           trace = 0=10%	TAMDAD
			<u> </u>	7808	70			• •	17008 - U-1U %	
			18	25.0	27.0	ss	18		Similar Soils	Ē
		AUG R				1	23			
	<b></b>		<u> </u>	<u> </u>	ļ	1	24			
			<u> </u>	1			29			╞
		+	+				•		Boring Terminated at 28.0'	$\vdash$
			<u> </u>		<u>,</u>	<u> </u>			COBBLES and BOULDERS encountered	$\vdash$
		i –	1	(	Ť	1			from 23.0' to 28.0'.	
		Ĩ							Auger refusal encountered at 28.0'	
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ATLANTIC TESTING LABORATORIES, Limite

Report No. ETCD1150-1-5-9 SUBSURFACE INVESTIGATION Corning Hospital CLENT -____Location of Boring See Plan Corning, NY PROJECT Subsurface Investigation-Proposed Building Addition, Corning Hospital, Corning, NYDors, stort 4/17/91 Finish 4/17/91 Boring No B-6 Sheet 1 of 2 Ground Woter Observations Date Time Depth 15.3' Casing of 4/17/91 Casing Hommer Sompler Hammer AM 32.0 4/18/91 AM 14.8' Caved at Wt _____ ibs. Wt _____140 _ lbs. Foll _____ in. 30 in, Fall ____ Cosing Ground Elev. 101.0* H.S. Auger 4-1/4" I.D. CLASSIFICATION 0F MATERIAL and - 35 - 50 % er and a some - 20 - 35 % or a some - 20 - 35 % or a some - 20 - 35 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 - 30 % or a some - 20 % BLOWS ON OEPTH NS/FT. MPLE 10. SAMPLER HLA 0F YPE f-fine No. 5 - C[#] ______.

E	DEP	3AM	SANPL I	. £		u o v m−madium o x m−madium u t−coorse	m-medium Little 10 20%		
				FROM	TO	1		- Ū	m - madium Little - 10 - 20% t - coorse trace - 0 - 10%
				0.0	0.3	AUG	ER	0.3	ASPHALT I
			1	0.3	1.0	AUG	ER	1.0'	Brown cmf GRAVEL; and cmf SAND [
		_	1	1.0	3.0	SS	13	1	Brown cmf SAND; and cmf GRAVEL;
							7	1	little SILT (moist, non-plastić) 7
							4	1	Probable Fill
							3	i 3.0'	
			2 1	3.0	5.0	ss	3		Brown f SAND and SILT; trace f
1				1			3	1	GRAVEL (moist, non-plastic) No
						ł	3		recovery with spoon, recovered
							4	5.0'	with auger; Probable Fill
Ĩ	1		3	5.0	7.0	SS	3		Tan SILT; some f SAND; trace CLAY
		1					6	]	(moist, very slightly plastic)
	<u></u>				-		6	]	
	0						7	7.0'	
			4	7.0	9.0	SS	10		Brown cmf GRAVEL; and cmf SAND;
	V		ļ				7		little SILT; trace CLAY (moist,
			ļ				10		slightly plastic)
							9		
			5	9.0	11.0	SS	8		Similar Soils (wet, slightly
_							6		plastic)
	_						8		
	4		<u> </u>				9	_	
								13.0'	
	_		6	15.0	17.0	SS			Brown cmf GRAVEL; and cmf SAND;
_	_				<i>.</i>		9		trace SILT; trace CLAY (saturated
-	4						21		non-plastic)
	-						24		
_	$\perp$							18.5'	<b></b>
_	_		7	20.0	22.0	SS	41		Brown cmf GRAVEL; and cmf SAND;
_	$\downarrow$		1				19		little SILT (saturated, non-
_	$\bot$						11		plastic)
_	_						11		
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## ATLANTIC TESTING LABORATORIES, Limited

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BORING NO. B-6 REPORT NO. ETCD1150-1-5-91 SEET 2 OF 2

F	- <u>r</u> -							
06774	CANHO CANHO ELOWE/FT.	KANPLE No.	! .	PTH DF MFLI	TYPE BANPLE	BLOWS ON SAMPLER PER SAMPLER 0.0	DEPTH . OF Change	CLASSIFICATION         OF         MATERIAL           f = fine         end = 35-50 %         end = 35-50 %           m = medium         some = 20=35 %         end = 35-50 %           c = coerse         Ettle = 10=20 %         end = 35-50 %           trace = 0=10 %         end = 35-50 %         end = 35-50 %
		1	FROM	TO		a.a	~. 9	trocs - 0-10% *
		18	25.0		<b>\$</b> S	15		
	~ ~		ĺ			14		Brown cmf GRAVEL; some cmf SAND; little SILT (saturated, non-
	<u></u>	1				14		plastic)
	0	<u> </u>		<u> </u>		20		
		9	30.0	32.0		-		
	+			1 32.0	55	70 65		Similar Soils
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ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION

CL	E	NT-		ning Ho ning, N	<u>spital</u> Y			L	acation of Boring See	Plan	
PF	201	IEC.	T Sub	surface	Investi		ion-Proposed				
			<u>Add</u>	<u>1110n,</u>	Corning	HOST	pital, Corni	ng, NYC	ate, start <u>4/17/91</u>	Finish <u>4/17/9</u>	]
Во							2		Ground Woter Date Time /17/91 PM	Observations Depth Casing 20.0' 32.0	aț
v			•	ommer ibs			ler Hammer 140 lbs.		/17/91 PM	15.0' Caved	
							in		······································	<u> </u>	
									······		
Gr	6un	id E	lev	101.0±			<u>    4-1/4"  </u> I.;	n			
				930		. AUQU	SLOWS ON		CLASSIFICATION	OF MATERIAL	1 3
7		/FT		027			1	2 1	f-fine	and - 35 - 50 %	ATI
OEPTN	CASIN	BLOWS/FT	3AMPLE NO.	SANPI	. t	T YPE DAMPLE		DEPTN OF Change	m-medium C-coorse	and - 35 - 50 % some - 20 - 35 % little - 10 - 20 % trace - 0 - 10 %	STANDARO PENETRATION
	<u> </u>		 	FROM	TO	 	<u>aa 2-</u>				• • • ·
	4	$\square$		0.0	0.3		JER	0.3	ASPHALT		1
	$\left  - \right $		1	1.0	$\frac{1.0}{3.0}$	I AUG I SS	IER 7	1.0	Brown cmf SAND; Brown mf GRAVEL		<u> </u>
						1	7		little SILT (Co.		
							7		(moist, non-pla:	stic) FILL	
			2	3.0	5.0	l h ee		3.0'	Brown of SANDA	some SILT; little	<u> </u>
					2.0	33	5		mf GRAVEL (mois:		1
							7	5 01	Possible Fill	-, ,,	
			3	5.0	7.0	ss.	6	5.0'	Tan SILT. some	E SAND; trace CLAY	<u> </u>
						33	3		(moist, slightly		<u> </u>
		ĸ				[	3		-	•	
	<u> </u>	1 5	4	7.0	9.0	ss		7.0'	Tannish-Brown S	ILT; some mf GRAVI	
				•			. 7		some f SAND; tra	ace CLAY (moist,	
					-		10	9.0'	slightly plastic	2)	<b></b>
_			5	9.0	11.0	ss		9.0	Brown cmf GRAVE	* and omf SAND:	<u> </u>
							15		some SILT (mois	t, non-plastic)	
						ļ	17			•	
							21	13.5'		_	<b> </b>
			6	15.0	17.0	SS			Brown cmf GRAVE	L; and cmf SAND;	
ļ							19		little SILT (sat plastic)	turated, non-	
							20		hreartc)		
								]	<b>.</b>		
	<b> </b>		7	20.0	22.0	55	26 30		Brown cmf GRAVE	L; some cmf SAND;	
		$\vdash$				<u> </u>	26		plastic)	Luidleg, <u>n</u> on	
							29				
										1 1 1991	
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£\$	8 P 1	<u> </u>	SPOON	I SAMPLE							
U —	UN	ai s,		TUBE		DRI	LLERS	Mike	Hawkins, Paul Mc/	Loon	
• _	<b>2</b> 11	TON	TYPE	SAMPLE							

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I     8     25.0     27.0     ss     73       w     IOD       w     Bouncing       x     9     30.0     32.0     ss     24       x     36     36       x     36       x     36       x     36       x     36       x     37       x     36       x     37       x     37       x     37       x     38       x     37       x     37       x     38       x     39       x     31       x     32.0 ^T x     36       x     37       x     38       x     39       x     30       x     31       x     32.0 ^T x     32.0 ^T x     37       x     38       x     39       x       x	DE CA	N X V V			54 MPLER 0.0	DEPTH OF CHANE	c - coarse Sittle = 10
±     100       w     Bouncing       x     9       x     9       x     30.0       x     32.0       x     33       x     36       x     37       x     36       x     37       x     36       x     37       x     37       x     37       x     38       x     37       x     38		8			73		
Similar Soils       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	~~~~				100		NO RECOVERY
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ATLANTIC TESTING LABORATORIES, Limited

SUBSURFACE INVESTIGATION Report N

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Report No. ETCD1150-1-5-91

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P	20.	JEC				igat	ion-Proposed	Build	ing		
• •	Ψ		Ado	lition,	Corning	Hos	pital, Corni	ng, NY	Oate, start4/18,	/91 Finish 4/18/9	1
Bo	irinç	) No			Sheet					ater Observations Depth Casing	
		Cas	ling H	ommer		Some	ler Hammer	_ 47	/18/91 _AM	14.9'32	.0'
				ib:			140 lbs.		<u>/18/91 AM</u>	15.0' Cave	d at l
F	all			ii	n. Fal	I	<u> </u>				
c.			9 <b>.</b>	101.0±	Cos	sing		<del></del>			
	Vui		.167	101.0		S Aug	<u>4-1/4"</u> I.	D. —			
	Ī		1				SLOWS ON		CLASSIFICATIO	ON OF MATERIAL	ž
-	۱.	/FT	μ.		F			<b>=</b>	f-fine		
DEPTH	CASING	BLOWS/FT.	SAMPLE ND.	SANP	-	TYPE	PSR	DEPTH DF. Change	m-medium	and - 35 - 50 % some - 20 - 35 % little - 10 - 20 % trace - 0 - 10 %	E NE TRATION
		ē,		FROM	TO		<u>aa 2</u>	0	C-coorse	froce - 0 - 10 %	
		$\leq$		0.0	0.3	AUC		0.3'	ASPHALT		
		<b> </b>		0.3	1.0	AUG		1.0'		); and cmf GRAVEL	
	┝			1.0	3.0	<u>s</u> s				VEL; and cmf SAND;	
		<u> </u>					14		little SILT (1	moist, non-plastic)	<b></b>
							9		FILL		<b></b>
			2	3.0	5.0	65	14		Similar Soils	(moist, non-plastic	
							9		FILL	(mener) non braser	-1
		ļ		ļ		[	8				
_	<u> </u>			5.0			4	5.0'			
			3	5.0	7.0	SS			Brown cmf SANI	; some mf GRAVEL;	
	6	¥					10		little SILT (F   Brick) (moist.	lack Organics, Wood slightly plastic)	¹ /
	1	ц ц					16	_7,0'	FILL	, erteucià bigacici	
		2	4	7.0	9.0	SS	14		Brown cmf GRAV	VEL; some cmf SAND;	
	_	2					14		little SILT (m Probable Fill	noist, non-plastic)	
	-	<u>&lt;</u>					<u>12</u> 16	9.01	FIODADIE FIII		
			5	9.0	11.0	55		9.0.	Brown cmf CRAT	/EL; some cmf SAND;	- <u> -</u>
							8		little SILT: 1	Little CLAY (moist,	
							9		slightly plast	:ic)	
		┝╼╼┤					20	16	_		
		┝╌┤	6	15.0	17.0		40	15.0'			
		⊢┤	<u> </u>	10.0	1/.0	SS	40 65		Brown Cmr GRAV	EL: some cmf SAND; saturated, non-	
					·		22		plastic)	alurated, non-	<b> </b>
							33				
		-	_7	20.0	22.0	<b>8</b> 5	22 15		Similar Soils		
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<del>.,  </del>										I T I I I I I I I I I I I I I I I I I I	
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- 12	8 P L	.17	SPOON	SAMPLE							
u —	UNC	DI 8.	SHELBY	TUBE .		DRIL	LERS	Mike	Hawkins, Paul 1	fcAloon	
۰.	PIS	TON	TYPE	SAMPLE							

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<b>)(</b>	DEPTH	CABING BLOWB/FT.	844PLE	DET	РТН 17 6-1	TYPE	BLOYS ON BANMLER MER BANMLER	0697H - 09 Chambe			STANDAND PENETAATION
		<b>.</b>	3	PROM	TO		۵۵	a. 5		troce - 0-10%	1 L
			8	25.0	27.0	59	15		Similar Soils		
		ЕR					8				
	<u> </u>	0					22				
		U 1	9	30.0	32.0	59	· 11		Similar Soils		
			9	30.0	34.0	59	16		SIMITAL SOTIS		
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### APPENDIX IV

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### SUBSURFACE PROFILES

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ETC01150 CORNING HOSPITAL ADDITION

STANDARD PENETRATION TESTING RESULTS

## •NCTE. VALUES PROVIDED REPRESENT BLOW COUNTS FOR SIX INCH ADVANCEMENT OF A SPLIT BARREL SAMPLER

#### SECTION A-A

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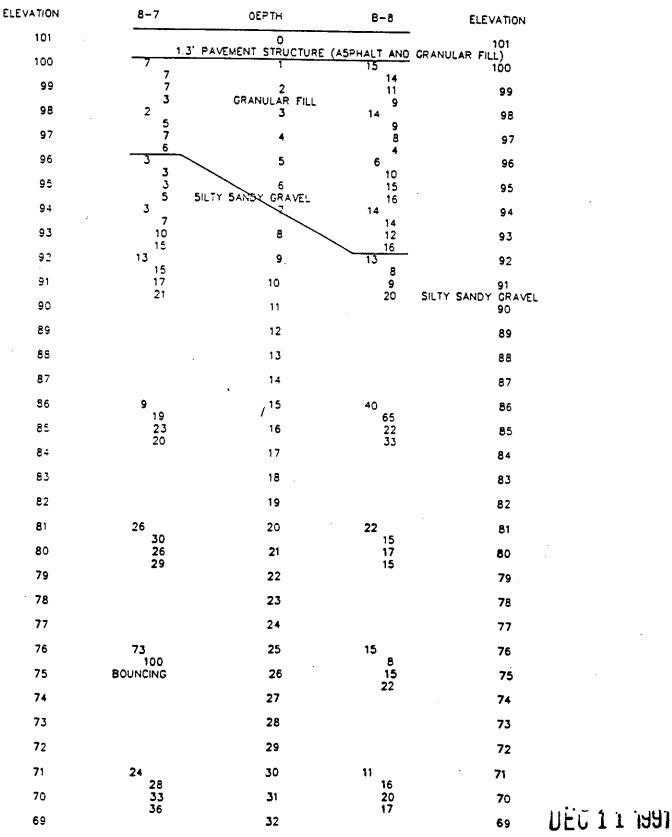
ELEVATION	8-1	OEPTH	B-2	OEPTH	8-3	ELEVATIC
101	<del></del>	0				101
100	5	<u>1.3'</u> _	10	ASPHALT AND GRAN	IULAR FILL)	101
99	5 2 2	2	18 12	2	5	99
98	2	3	12 10	2 GRANULAR FILL 3	4	98
97	6 13 17	4	8 10	4	4	97
96	4	5	10 12	5	5	96
95	6 8	é	12 8	6	97	95
94	10 8	7	9 6	7	9	94
93	10 30	8	8 11 8	8	4 5	93
93	8	9	6	9	6 8	92
<b>9</b> 1	11 11 11	10	6 8 11	10	8 13 13	91
90	3 E	11	11	11	13	90
89		12	SANDY SILTY GR	AVEL 12		89
88		13		13		83
87		14		14		87
86	17	15	19	15	15	86
85	25 25 27	16	18 20 54	16	21 30	85
84	<b>L</b> '	17	4	17	36	84
83		18		18		83
82		19		19		82
81	18 28	20	17	20	16	81
80	28 25 25	21	· 27 40 35	21	35 35 40	80
79		22		22	40	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	28 35	26	26	26	11 8	75
74		27	20	27	9	74
73		28		28		73
72		29		29		72
71	18 24	30	21 28	30	19 - 19	71
70	18 24 29 33	31	28 37 29	31	- 19 11 18	70
69		32	24	32	18	69

NOTE: The subsurface conditions depicted above are interpolated from soil boring data. Actual subsurface conditions may vary from those shown here. STANDARD PENETRATION TESTING RESULTS

•NOTE: VALUES REPRESENT BLOW COUNTS FOR A SIX INCH ADVANCEMENT OF A SPLIT BARREL SAMPLER

SECTION 8-8

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NOTE: The subsurface conditions depicted above are interpolated from soil boring data. Actual subsurface conditions may vary from those shown here.

#### ETCD11SO CORNING HOSPITAL ADDITION

#### STANDARD PENETRATION TESTING RESULTS

#### •NOTE: VALUES PROVIDED REPRESENT BLOW COUNTS FOR SIX INCH AQVANCEMENT OF A SPLIT BARREL SAMPLER

SECTION C-C

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EVATION	8-2	8-5	OEPTH	B-4	8-8	8-8	ELEVATION
101 100	18	10	3' PAVEMENT STRUCTU	RE (ASPHALT AND C		·····	101
99	18 12 12	10 9 5 7	-	13	13 7	15	100
98 98	12	7	GRANULAR FILL 3	. *	7 4 3	14 11 9	99
97	8 10 10	1:		2 3 4	3	14 9 8 4	98
96	10 12	/ 5	s			8	97 98
95	12 8 9	7		12	8 8 7	10 15 18	95
94	5 9	13	6 SANDY SILTY GRAVE 7	14 14 7	10 7	14	94
93	8	6 8 8	8	7 11	7	14	93
92	8	7	9	7	9 8	12 18 13	92
91	6 8 1:	5 8	10	15 13 15	6 8 9	13 8 9 20	91
90	11	16	11	15	9	20	90
89	,	,	12				29
88			13				88
87		·	14				87
86	19	10	15	18	8	· 40	58
25	18 20 54	15 20 17	18	15 20 22	9 21 24	85 22 33	85
84	54	17	17	22	24		84
83		÷	18				83
82		•	19				82
81	17	19 33	20	15	41 19	22	81
80	27 40 35	33 16 15	21	17 18 9	11 11	15 17 15	80
79	55	15	22	-		•2	79
78			23				78
77		`	24				77
76	16 21	18 23	25	18 19	15 14	15 8	78
75	21 28 29	23 24 29	- 28	19 19 23	14 14 20	. 8 15 22	75
74			27				74
73			28				73
72			29				72
71	21 25		30	28 29	70 85	11 18	71
70	28 37 29		31	29 33 39	85 43 39	18 20 17	70
89			32			••	89

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NOTE: The subsurface conditions depicted above are interpolated from soil boring data. Actual subsurface conditions may vary from those shown here.

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Engineering Architecture Environmental

# **APPENDIX 4**

**Test Pit Photograph Log** 





TP-01



TP-01: Glass bottle



TP-02: Ceramic, brick, metal



TP-02: Ash, cinders, brick



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