REPORT

Debris Pile Characterization
80 Steel Street
Rochester, New York

Ben Weitsman of Rochester, LLC and
Weitsman Rochester Realty, LLC

August 2013

O'BRIEN & GERE

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ASTM	American Society for Testing and Materials
bgs	below ground surface
CFR	Code of Federal Regulations
CY	Cubic yards
DOT	Department of Transportation
ELAP	Environmental Laboratory Accreditation Program
ft	foot or feet
JSA	Job Safety Analysis
GPS	Global Positioning System
HASP	Health and Safety Plan
IDW	investigation-derived waste
mg/kg	milligram per kilogram
mg/L	milligrams per liter
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Safety and Health Administration
Part 376	New York State Codes, Rules and Regulations; Title 6, Chapter IV, Subpart 376
PCB	polychlorinated biphenyl
PID	photoionization detector
ppm	parts per million
PPE	personal protective equipment
QA/QC	Quality Assurance/Quality Control
Site	80 Steel Street, Rochester, New York
TCLP	Toxicity Characteristic Leaching Procedure
U.S.	United States
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

This Debris Pile Characterization Report presents the results and conclusions of the characterization activities completed to further identify and quantify portions of the staged debris piles for PCB concentrations.

O'Brien & Gere prepared a Debris Pile Characterization Work Plan (Work Plan) for Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC (Weitsman) to characterize the piles of staged soil/metal/debris at 80 Steel Street, located in the City of Rochester, New York (Site). The Work Plan was submitted to the New York State Department of Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) for review and approval on April 8, 2013. Acting as lead agency, the NYSDEC conditionally approved the Work Plan on April 24, 2013. O'Brien & Gere submitted clarifications regarding NYSDEC's conditions on May 9, 2013 for its consideration. The NYSDEC subsequently approved the Work Plan on May 20, 2013. The approved conditions which modified the April 8, 2013 Work Plan (henceforth referred to as the Modified Work Plan) included:

1. Weitsman would not be segregating metals or addressing the piles in any other manner as part of the characterization activities. The proposed testpit program was for the purpose of characterization only at the 39 locations depicted within the Work Plan.
2. Construction work would be conducted by OSHA Hazwoper trained operators and laborers to advance the testpits and conduct the decontamination activities. Weitsman's site equipment would be used for advancing the testpits.
3. The method of decontaminating the bucket between sample locations would be as follows: The equipment bucket would be decontaminated between sampling locations using potable water and a high pressure steam cleaner. Decontamination fluids associated with test pits and sampling activities would be discharged onto the debris pile in close proximity to its respective test pit location. After completion of the 39 testpits, the equipment bucket would undergo a final decontamination/confirmation procedure using a double wash/rinse as defined in subpart S of 40 CFR 761, followed by the collection of one wipe sample to be submitted for laboratory analysis of PCBs. The final decontamination would be conducted over a decontamination pad constructed of poly and timbers. After confirmation from the laboratory that the bucket is clean, the equipment would be released back to Weitsman for use elsewhere on Site. Spent decontamination solvent and used poly and timbers would be staged and properly labeled. The spent solvent would be characterized, transported and disposed at a permitted facility. The used poly and timbers would be disposed of during the management of the debris piles.
4. The NYSDEC would be notified three days in advance of the test pit program as requested.

Weitsman purchased the Site and its scrap metal operations in August 2011. The debris piles were present when Weitsman purchased the Site. A discussion of the Site history and previous debris pile sampling events completed since Weitsman took ownership of the Site was provided in the Modified Work Plan.

2. CHARACTERIZATION SAMPLING

Presented within this section are the characterization field activities, health and safety procedures, quality assurance/quality control protocols, sampling procedures, laboratory results, reporting, survey of sample locations, management of investigation-derived waste (IDW), and the sample collection summary. There were no deviations from the Modified Work Plan.

Mr. Mike Khalil, PE of the NYSDEC's Division of Environmental Remediation visited the Site on June 18, 2013 to observe the characterization activities.

The Site is located at 80 Steel Street in the City of Rochester, Monroe County, New York. A Site Location map is provided as **Figure 1**. The debris piles are situated on the eastern side of the property as shown on **Figure 2** in five identified Areas of concern (AOCs). Select photographs of the Work Plan characterization activities are provided as **Appendix A**.

2.1. Characterization Field Activities

The following items were the primary components of the characterization field activities completed:

- Health and safety protocols including particulate air monitoring
- Quality Assurance/Quality Control protocols
- Layout of grid locations and previously identified AOCs
- Advancement of test pits utilizing Weitsman's grapple and front-end loader
- Temporary staging of debris pile material
- Collection and laboratory analysis of soil samples from the debris piles
- Steam cleaning the grapple and equipment bucket between sample locations
- Construction of decontamination pad and final decontamination double wash/rinse using acetone at the completion of the sampling program
- Collection and laboratory analysis of PCB wipe samples from the grapple and equipment bucket
- Following confirmation, returning the equipment back to Weitsman for use elsewhere on Site.

2.2. Health and Safety Monitoring

A Job Safety Analysis (JSA) was prepared in accordance with applicable general industry and construction standards of the Federal Occupational Safety and Health Administration (OSHA), United States (U.S.) Department of Labor (DOL). The JSA was observed and adhered to by O'Brien & Gere personnel involved in the investigation.

As required by the JSA, particulate air monitoring was conducted during implementation of the Work Plan and the monitor instrument readings were recorded in O'Brien & Gere's dedicated field book. No elevated readings were recorded and dust control was not required.

2.3. Quality Assurance/Quality Control Protocols

The objective of the sampling was to obtain environmental samples of sufficient quality to support waste characterization decisions. As specified in the Modified Work Plan, a sample numbering system was used to uniquely identify each sample collected and to allow retrieval of sample-specific information. Prior to the start of the sampling program, O'Brien & Gere staked and laid out the sampling grid per the Modified Work Plan to locate the sample locations.

Only dedicated sampling equipment (*e.g.* disposable plastic trowels) was used to place soil samples into pre-cleaned sample containers obtained from the laboratory. Care was taken to only place soil and not metal or other debris into the sample container for analysis. The used disposable sampling equipment was disposed of between each sample locations.

Following final equipment decontamination, confirmatory wipe sample collection utilized wipes provided by the laboratory in dedicated glassware. O'Brien & Gere collected the sample from a 10 centimeter by 10 centimeter area of the grapple and front-end loader bucket.

New neoprene gloves were donned by O'Brien & Gere personnel prior to the collection of each sample.

The sample containers were properly labeled and promptly transferred to a cooler packed with ice pending transfer to the laboratory. Samples were transported within 24 hours of being collected and arrived at the laboratory no later than 48 hours after sample collection. Samples were analyzed within the holding times specified by the analytical method.

The chain of custody protocols for collection of samples were followed, and Paradigm Environmental Services, Inc. (Paradigm) a qualified New York State Department of Health (NYSDOH) Environmental Laboratory

Analytical Program (ELAP)-certified laboratory, performed analysis of all samples. Paradigm's ELAP number is 10958.

2.4. Debris Pile Investigation

2.4.1. General

Soil samples were collected from test pits excavated using Weitsman's grapple to varying pre-selected depths within a specific AOC. All sample locations of the piles were completed with the exception of sample location 2-16, as discussed in Section 2.4.2.

2.4.2. Advancement of Test Pits

Test pits were advanced on Pile Quadrants 1, 2(Western Portion), and 3(Northern Portion) at the locations shown on **Figure 2**. Advancement of test pits occurred in order from higher to lower elevated locations.

For test pits where the AOC height was greater than 12-ft in Quadrants 1 and 2, the upper 6-ft of soil and debris were first removed with the grapple and directly placed on poly sheeting. The temporary staging area was located directly to the south of Quadrant 1. At locations outside the reach of the grapple, the grapple first transferred the debris to Weitsman's front-end loader which then subsequently transported and placed the debris on the poly sheeting. Once the sample was collected from this material staged on the poly sheeting (representing the approximate 6-ft depth within the AOC), the grapple continued to remove the debris to the 12-ft depth specified to complete the representative volume at a respective sample location. The soil and debris from the higher portions of Quadrants 1 and 2 were not placed back into their respective testpits, but were then covered and remained staged pending analytical results. A total of eight piles were staged on poly sheeting and covered with poly sheeting to prevent storm water run-off or wind transport. The piles were barricaded with caution tape to minimize disturbance. Site personnel will continue to check the piles daily to verify poly sheeting covers are still in-place.

At each sampling location where the AOC was less than 12-ft in height, the sample was collected from the center (*e.g.*, where the height of the Debris Pile was 9-ft, a sample was collected at 4.5-ft bgs). For these test pits, the excavated materials were placed on the Debris Pile adjacent to the sample location. Following collection of the sample, the staged material was placed back into the test pit.

Approximately 150 compressed gas cylinders of unknown condition and content were found by O'Brien & Gere's operator on AOC Quadrants 2 and 3, as shown on **Figure 2**. The gas cylinders were not disturbed due to Health and Safety concerns. Sample 2-16 could not be accessed, as the original plan was to clear a path through a portion of AOC Quadrant 3 to access the back side of AOC Quadrant 2 through this area. Accordingly, O'Brien & Gere utilized a hand auger to collect the sample at sample location 2-16.

2.4.3. Soil Sampling Procedures

A composite soil sample was collected by filling the sample containers with only soil collected from several locations within a segregated and individually staged soil and debris pile or the grapple using a dedicated, disposable plastic trowel. The sample jars were placed in a cooler on ice pending transportation to the laboratory.

Samples were physically inspected and the supervising scientist classified each sample utilizing the Unified Soil Classification System (USCS). In addition to logging the soil descriptions, the types of materials encountered were recorded on Soil Sample Forms presented in **Appendix B**.

2.4.4. Wipe Sample Procedures

Following the acetone double wash/rinse final decontamination procedure of the grapple and front-end loader bucket, O'Brien & Gere collected a confirmatory wipe sample from each piece of equipment consistent with the NYSDEC-approved Modified Work Plan. A 10 centimeter by 10 centimeter dedicated cardboard template was first placed on the inside of the grapple "finger". The laboratory provided wipe was then vigorously scrubbed across the area in both the horizontal and vertical directions. The wipe was then placed back into its sample jar and transported to the laboratory for analysis. This procedure was repeated for the front-end loader bucket.

2.4.5. Sample Identification and Labeling

Samples were assigned a unique sample identification based on the sampling location, sample depth and the date of collection. In addition to the sample identification, the sample container was labeled with the following information:

- Project identification
- Date and time of sample collection
- Analysis requested
- Preservative
- Client name.

2.4.6. Laboratory Results

A summary of the soil samples that were submitted to the laboratory and analyzed via USEPA Methods 8082 and 3550C (PCBs) and their results are presented on the attached **Table 1**. A summary of the wipe samples that were submitted to the laboratory and analyzed via USEPA Methods 8082A and 3550C (PCBs) are presented on the attached **Table 2**.

Consistent with the NYSDEC-approved Modified Work Plan, trip blanks and QA/QC samples were not collected. The laboratory soil analysis was completed by Paradigm at a standard turnaround time of five business days. Paradigm provided a 24-hour turnaround time on the confirmatory wipe sample analyses. Paradigm's laboratory analytical reports are presented in **Exhibit A**.

The sum of the detected PCB Aroclor concentrations for each soil sample, and the soil sample locations, are shown on **Figure 2**. Also shown on **Figure 2** are the historical sample locations and results representing the 64 PCB sample locations across all five AOCs.

As shown on **Table 2**, both the grapple and front-end loader PCB wipes sample results were less than the 10 micrograms PCBs per 100 square centimeters (≤10 µg/100 cm^2) decontamination standard for unrestricted use as set forth in 40 CFR 761.79(b)(3) for non-porous surfaces in contact with liquid and non-liquid PCBs. Accordingly, the equipment was demonstrated to be appropriately decontaminated.

2.5. Management of Investigation-Derived Waste

2.5.1. General

The characterization activities generated Investigation Derived Waste (IDW) which will require appropriate management in accordance with state and federal regulations (Title 40 of the Code of Federal Regulations [CFR] Parts 239 through 279 and Title 6 of New York Codes, Rules and Regulations [6 NYCRR] Chapter IV, Subchapter B Parts 360 through 376). The IDW included the following:

- One 55-gallon drum of decontamination solvents, rinsates and wipes resulting from decontamination of equipment that will be transported and disposed at a permitted facility
- One 55-gallon drum of decontamination pad timbers and poly sheeting that will be disposed of during the management of the debris piles
- Used PPE and other associated debris (*e.g.*, general refuse) were placed in trash bags as appropriate and disposed of with the Site's solid waste (*e.g.*, the Site's dumpster)

3. CONCLUSIONS

The following conclusions have been made following completion of the Characterization:

- A total of 39 soil samples were collected from and analyzed from AOC Quadrants 1, 2(Western Portion), and 3(Northern Portion) as described in the NYSDEC-approved Modified Work Plan

- When combined with the historical sampling locations, a total of 68 PCB samples of the AOCs have now been collected and analyzed
- The characterization for PCB concentrations of the soil and debris in accordance with the NYSDEC-approved Modified Work Plan is complete
- Based upon a topographic survey and volume calculation completed by Fisher Associates on February 6, 2013, the total volume of the Debris Piles is approximately 4,550 cubic yards. Of this, the following summarizes Total PCBs and approximate volumes:
  - Total PCBs >48 ppm, estimated volume of 80 cubic yards
  - Total PCBs 25-48 ppm, estimated volume of 900 cubic yards
  - Total PCBs < 25 ppm, estimated volume of 3,570 cubic yards
- The estimated volume of Debris Pile Quadrant 1 is 1,030 cubic yards. Of this, the following summarizes Total PCBs and approximate volumes:
  - Total PCBs >48 ppm, estimated volume of 50 cubic yards
  - Total PCBs 25-48 ppm, estimated volume of 720 cubic yards
  - Total PCBs < 25 ppm, estimated volume of 260 cubic yards
- The estimated volume of Debris Pile Quadrant 2 is 750 cubic yards. Of this, the following summarizes Total PCBs and approximate volumes:
  - Total PCBs >48 ppm, estimated volume of 0 cubic yards
  - Total PCBs 25-48 ppm, estimated volume of 180 cubic yards
  - Total PCBs < 25 ppm, estimated volume of 570 cubic yards
- The estimated volume of Debris Pile Quadrant 3 is 445 cubic yards. Of this, the following summarizes Total PCBs and approximate volumes:
  - Total PCBs >48 ppm, estimated volume of 30 cubic yards
  - Total PCBs 25-48 ppm, estimated volume of 0 cubic yards
  - Total PCBs < 25 ppm, estimated volume of 415 cubic yards
- The estimated volume of Debris Pile Quadrant 4 is 1,570 cubic yards. Of this, the following summarizes Total PCBs and approximate volumes:
  - Total PCBs >48 ppm, estimated volume of 0 cubic yards
  - Total PCBs 25-48 ppm, estimated volume of 0 cubic yards
  - Total PCBs < 25 ppm, estimated volume of 1,570 cubic yards
- The estimated volume of Debris Pile Quadrant 5 is 755 cubic yards. Of this, the following summarizes Total PCBs and approximate volumes:
  - Total PCBs >48 ppm, estimated volume of 0 cubic yards
  - Total PCBs 25-48 ppm, estimated volume of 0 cubic yards
  - Total PCBs < 25 ppm, estimated volume of 755 cubic yards
- The two confirmatory wipe samples collected and submitted for laboratory analysis of PCBs demonstrated the grapple and front-end loader could be returned to Weitsman for unrestricted use on-Site
- Approximately 150 compressed gas cylinders of unknown condition need to be addressed.

The information will be used to evaluate options to manage the Debris Pile materials. A proposed plan to manage the Debris Piles will be prepared based upon the findings of this Debris Pile Characterization Report. The Debris Pile Management Plan will be prepared under separate cover and provided to the NYSDEC and USEPA for review and approval.

Tables

Table 1
Summary of Soil Sample Results
Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC
80 Steel Street
Rochester, New York 14606

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	1-06-061713_06	1-07-061713_06	1-08-061713_06	1-09-061713_06	1-10-061713_17	1-11-061713_15	1-12-061713_17
	Date Sampled				6/17/2013	6/17/2013	6/17/2013	6/17/2013	6/17/2013	6/17/2013	6/17/2013
	Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)										
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**15.4**	**7.41**	**34.1**	**18.0**	**19.7**	**22.3**	**23.7**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**11.5**	**6.91**	**20.9**	**14.2**	**9.69**	**12.6**	**20.9**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	Aroclor-1262 (PCB-1262)	37324-23-5	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	Aroclor-1268 (PCB-1268)	11100-14-4	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
	TOTAL PCB's	NA	48	mg/kg	**26.90**	**14.32**	55.00	**32.20**	**29.39**	**34.90**	**44.60**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	1-13-061713_15	1-14-061713_16	1-15-061813_04	1-16-061813_3	1-17-061813_5	1-18-061813_6	1-19-061813_4
	Date Sampled				6/17/2013	6/17/2013	6/18/2013	6/18/2013	6/18/2013	6/18/2013	6/18/2013
	Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)										
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**26.5**	**19.5**	**6.36**	**4.53**	**27.3**	**14.4**	**15.2**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**15.6**	**13.0**	< 0.454	**3.08**	**22.6**	**11.4**	**12.2**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	Aroclor-1262 (PCB-1262)	37324-23-5	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	Aroclor-1268 (PCB-1268)	11100-14-4	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
	TOTAL PCB's	NA	48	mg/kg	**42.10**	**32.50**	**6.36**	**7.61**	49.90	**25.80**	**27.40**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	1-20-061813_2	1-21-061813_1	1-22-061813_1	1-23-061813_2	1-24-061813_5	2-06-061813_3	2-07-061813_6
	Date Sampled				6/18/2013	6/18/2013	6/18/2013	6/18/2013	6/18/2013	6/18/2013	6/18/2013
	Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)										
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**18.0**	**17.8**	**12.5**	**17.0**	**25.3**	**10.7**	**12.9**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**19.5**	**13.6**	**12.1**	**21.0**	**15.2**	**7.97**	**11.4**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	Aroclor-1262 (PCB-1262)	37324-23-5	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	Aroclor-1268 (PCB-1268)	11100-14-4	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
	TOTAL PCB's	NA	48	mg/kg	**37.50**	**31.40**	**24.60**	**38.00**	**40.50**	**18.67**	**24.30**

Table 1
Summary of Soil Sample Results
Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC
80 Steel Street
Rochester, New York 14606

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	2-08-061813_6	2-09-061813_2	2-10-061813_6	2-11-061813_17	2-12-061813_6	2-13-061813_15	2-14-061813_6
	Date Sampled Matrix				6/18/2013 Soil	6/18/2013 Soil	6/18/2013 Soil	6/18/2013 Soil	6/18/2013 Soil	6/18/2013 Soil	6/18/2013 Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)										
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**13.6**	**13.5**	**11.3**	**15.4**	**16.2**	**9.72**	**9.74**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**14.7**	**12.4**	**12.2**	**15.5**	**13.1**	**8.04**	**8.88**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	Aroclor-1262 (PCB-1262)	37324-23-5	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	Aroclor-1268 (PCB-1268)	11100-14-4	48*	mg/kg	< 2.42	< 2.39	< 2.31	< 2.34	< 2.39	< 2.30	<2.33
	TOTAL PCB's	NA	48	mg/kg	**28.30**	**25.90**	**23.50**	**30.90**	**29.30**	**17.76**	**18.62**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	2-15-061813_18	2-16-061913_3	3-06-061913_2	3-07-061913_2	3-08-061913_1	3-09-061913_1	3-10-061913_3
	Date Sampled Matrix				6/18/2013 Soil	6/19/2013 Soil	6/19/2013 Soil	6/19/2013 Soil	6/19/2013 Soil	6/19/2013 Soil	6/19/2013 Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)										
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**14.7**	**6.98**	**5.81**	**11.1**	**5.30**	**10.3**	**6.81**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**11.9**	**8.59**	**6.11**	**13.7**	**6.87**	**12.0**	**7.07**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	Aroclor-1262 (PCB-1262)	37324-23-5	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	Aroclor-1268 (PCB-1268)	11100-14-4	48*	mg/kg	< 2.40	< 0.471	< 2.31	< 2.37	< 2.38	< 2.36	< 2.44
	TOTAL PCB's	NA	48	mg/kg	**26.60**	**15.57**	**11.92**	**24.80**	**12.17**	**22.30**	**13.88**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	3-11-061913_1	3-12-061913_2	3-13-061913_3	3-14-061913_2
	Date Sampled Matrix				6/19/2013 Soil	6/19/2013 Soil	6/19/2013 Soil	6/19/2013 Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)							
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**6.99**	**10.0**	**7.85**	**4.29**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**7.02**	**11.3**	**10.4**	**5.50**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	Aroclor-1262 (PCB-1262)	37324-23-5	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	Aroclor-1268 (PCB-1268)	11100-14-4	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
	TOTAL PCB's	NA	48	mg/kg	**14.01**	**21.30**	**18.25**	**9.79**

Table 1
Summary of Soil Sample Results
Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC
80 Steel Street
Rochester, New York 14606

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	Quadrant 1-1	Quadrant 1-2	Quadrant 1-3	Quadrant 1-4	Quadrant 1-5
	Date Sampled				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Matrix				Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)								
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.31	< 4.60	< 4.85	< 2.28	< 2.21
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.31	< 4.60	< 4.85	< 2.28	< 2.21
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.31	< 4.60	< 4.85	< 2.28	< 2.21
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.31	< 4.60	< 4.85	< 2.28	< 2.21
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**7.13**	**10.2**	**47.6**	**9.86**	**9.47**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**9.02**	**33.1**	**16.5**	**9.27**	**9.40**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.31	< 4.60	< 4.85	< 2.28	< 2.21
	TOTAL PCB's	NA	48	mg/kg	**16.15**	**43.30**	64.10	**19.13**	**18.87**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	Quadrant 2-1	Quadrant 2-2	Quadrant 2-3	Quadrant 2-4	Quadrant 2-5
	Date Sampled				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Matrix				Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)								
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**5.87**	**6.47**	**6.83**	**6.19**	**4.37**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**7.36**	**9.85**	**9.78**	**8.01**	**8.93**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
	TOTAL PCB's	NA	48	mg/kg	**13.23**	**16.32**	**16.61**	**14.20**	**13.30**

Table 1
Summary of Soil Sample Results
Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC
80 Steel Street
Rochester, New York 14606

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	Quadrant 3-1	Quadrant 3-2	Quadrant 3-3	Quadrant 3-4	Quadrant 3-5
	Date Sampled				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Matrix				Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)								
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 0.466	**84.6**	< 0.460	< 0.455	< 0.497
PCBs	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 0.466	< 9.38	< 0.460	< 0.455	< 0.497
PCBs	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 0.466	< 9.38	< 0.460	< 0.455	< 0.497
PCBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 0.466	< 9.38	< 0.460	< 0.455	< 0.497
PCBs	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**2.47**	< 9.38	**3.61**	**2.88**	< 0.497
PCBs	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**2.93**	< 9.38	**4.02**	**3.30**	**2.37**
PCBs	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 0.466	< 9.38	< 0.460	< 0.455	**2.47**
PCBs	TOTAL PCB's	NA	48	mg/kg	**5.40**	**84.60**	**7.63**	**6.18**	**4.84**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	Quadrant 4-1	Quadrant 4-2	Quadrant 4-3	Quadrant 4-4	Quadrant 4-5
	Date Sampled				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Matrix				Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)								
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 0.461	< 0.458	< 0.451	< 0.454	< 0.461
PCBs	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 0.461	< 0.458	< 0.451	< 0.454	< 0.461
PCBs	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 0.461	< 0.458	< 0.451	< 0.454	< 0.461
PCBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 0.461	< 0.458	< 0.451	< 0.454	< 0.461
PCBs	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	< 0.461	**1.68**	**2.12**	< 0.454	< 0.461
PCBs	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**2.79**	**2.73**	**2.42**	**3.82**	**3.98**
PCBs	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	**2.92**	< 0.458	< 0.451	**5.20**	**1.95**
PCBs	TOTAL PCB's	NA	48	mg/kg	**5.71**	**4.41**	**4.54**	**9.02**	**5.93**

	Sample Identification	Cas No.	Landfill Threshold	Action Level Unit	Quadrant 5-1	Quadrant 5-2	Quadrant 5-3	Quadrant 5-4	Quadrant 5-5
	Date Sampled				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Matrix				Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)								
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
PCBs	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
PCBs	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
PCBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
PCBs	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**3.75**	< 0.463	**3.01**	< 0.446	**3.98**
PCBs	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**4.82**	**8.24**	**3.33**	**5.88**	**6.38**
PCBs	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 0.557	**5.55**	< 0.478	**4.23**	< 0.453
PCBs	TOTAL PCB's	NA	48	mg/kg	**8.57**	**13.79**	**6.34**	**10.11**	**10.36**

Table 1
Summary of Soil Sample Results
Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC
80 Steel Street
Rochester, New York 14606

	Sample ID	Cas No.	Landfill Threshold	Action Level Unit	Eddy Current Pile - North	Eddy Current Pile- South	No.1 NW Area	No.2 NE Area	No.3 East NE Area	No.4 South East	No.5 South West Middle
	Date Sampled				8/9/2012	8/9/2012	10/11/2012	10/11/2012	10/11/2012	10/11/2012	10/11/2012
	Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)										
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	**10.4**	**8.66**	**9.67**	**7.27**	**7.44**	**9.05**	**20.4**
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	**10.2**	**8.18**	**7.54**	**10.6**	**8.55**	**9.81**	**8.00**
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
	TOTAL PCB's	NA	48	mg/kg	**20.60**	**16.84**	**17.21**	**17.87**	**15.99**	**18.86**	**28.40**

Notes:
* = Landfill Threshold values for Polychlorinated biphenyls (PCBs) apply to the sum of the compounds.
Landfill Threshold represents the Total PCB detected concentration threshold for disposal of debris at the Waste Management facility at Model City, New York. Reference Waste Management correspondence June 26, 2013.
Only detected concentrations were used to sum total PCB concentration.
Bolded results indicate a concentration above the laboratory detection limit
Grey shaded cell indicates a result exceeds the Waste Management Landfill Threshold of 48.0 mg/Kg

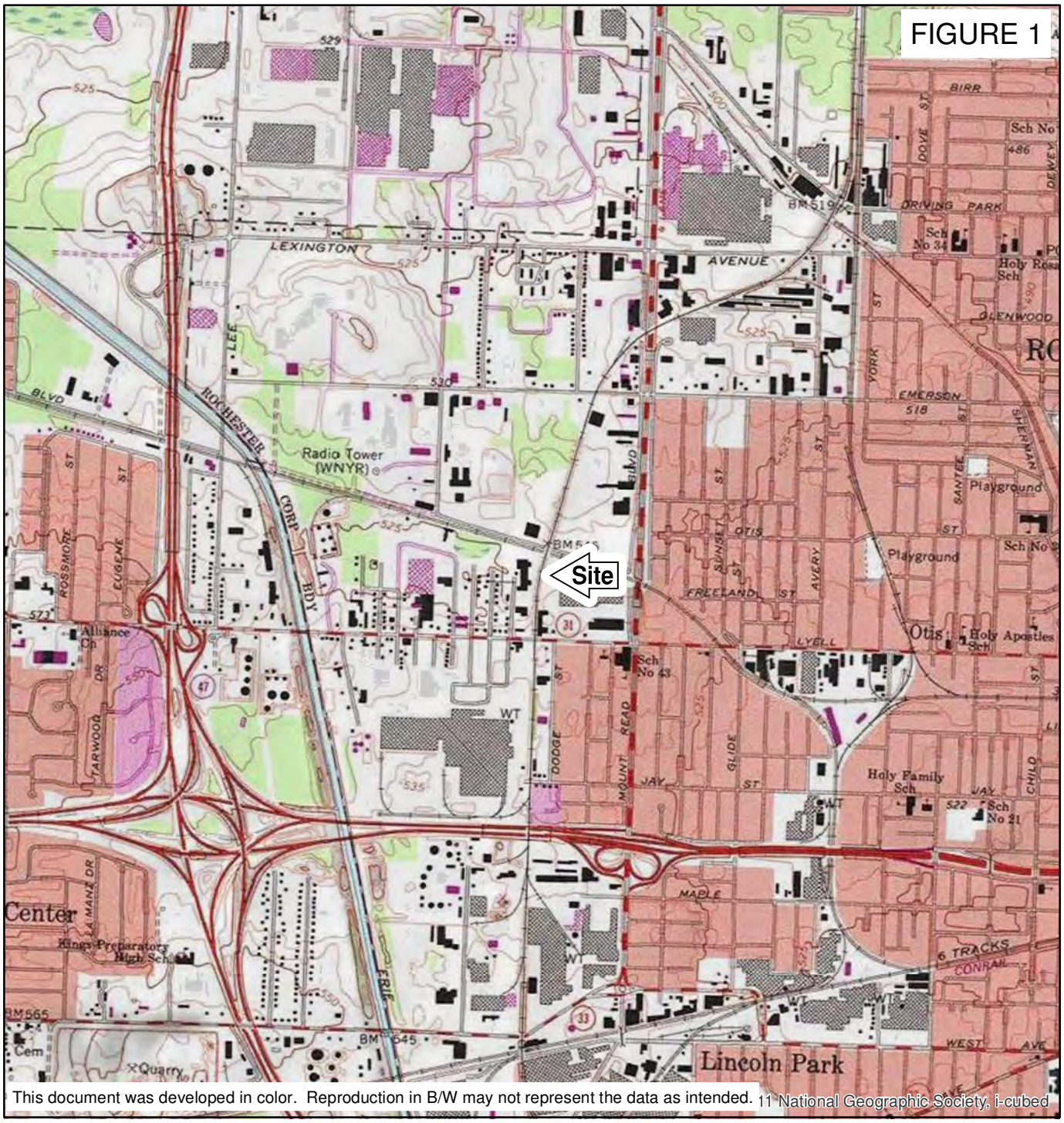
Table 2
Summary of Wipe Sample Results
Ben Weitsman of Rochester, LLC and Weitsman Rochester Realty, LLC
80 Steel Street
Rochester, New York 14606

	Sample Identification	Cas No.	Decontamination Standard for Unrestricted Use	Action Level Unit	Frontend Loader Wipe	Grapple Wipe
	Date Sampled				6/19/2013	6/19/2013
	Matrix				Wipe	Wipe
	Polychlorinated Biphenyl Aroclors (Method 8082A and 3550C)					
PCBs	Aroclor-1016 (PCB-1016)	12674-11-2	10*	mg/kg	< 1.00	< 1.00
	Aroclor-1221 (PCB-1221)	11104-28-2	10*	mg/kg	< 1.00	< 1.00
	Aroclor-1232 (PCB-1232)	11141-16-5	10*	mg/kg	< 1.00	< 1.00
	Aroclor-1242 (PCB-1242)	53469-21-9	10*	mg/kg	< 1.00	< 1.00
	Aroclor-1248 (PCB-1248)	12672-29-6	10*	mg/kg	**1.11**	< 1.00
	Aroclor-1254 (PCB-1254)	11097-69-1	10*	mg/kg	**1.05**	< 1.00
	Aroclor-1260 (PCB-1260)	11096-82-5	10*	mg/kg	< 1.00	< 1.00
	Aroclor-1262 (PCB-1262)	37324-23-5	10*	mg/kg	< 1.00	< 1.00
	Aroclor-1268 (PCB-1268)	11100-14-4	10*	mg/kg	< 1.00	< 1.00
	TOTAL PCB's	NA	10	mg/kg	**2.16**	0.00

Notes:
* = 40 CFR 761.79(b)(3)(i)(a) decontamination verification wipe samples need to meet ≤10 micrograms PCBs per 100 square centimeters (≤10 µg/100 cm2) for non-porous surfaces.
Only detected concentrations were used to sum total PCB concentration.
Bolded results indicate a concentration above the laboratory detection limit

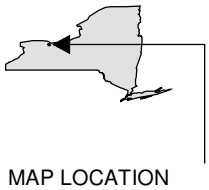
Figures

FIGURE 1



ADAPTED FROM: ROCHESTER WEST, NEW YORK USGS QUADRANGLE

BEN WEITSMAN OF ROCHESTER, LLC
WEITSMAN ROCHESTER REALTY, LLC
DEBRIS PILE CHARACTERIZATION
REPORT
80 STEEL STREET
ROCHESTER, NEW YORK



MAP LOCATION

N

SITE LOCATION

0 1,000 2,000 4,000 6,000 8,000

Feet

AUGUST 2013
6084.50162

1:24,000

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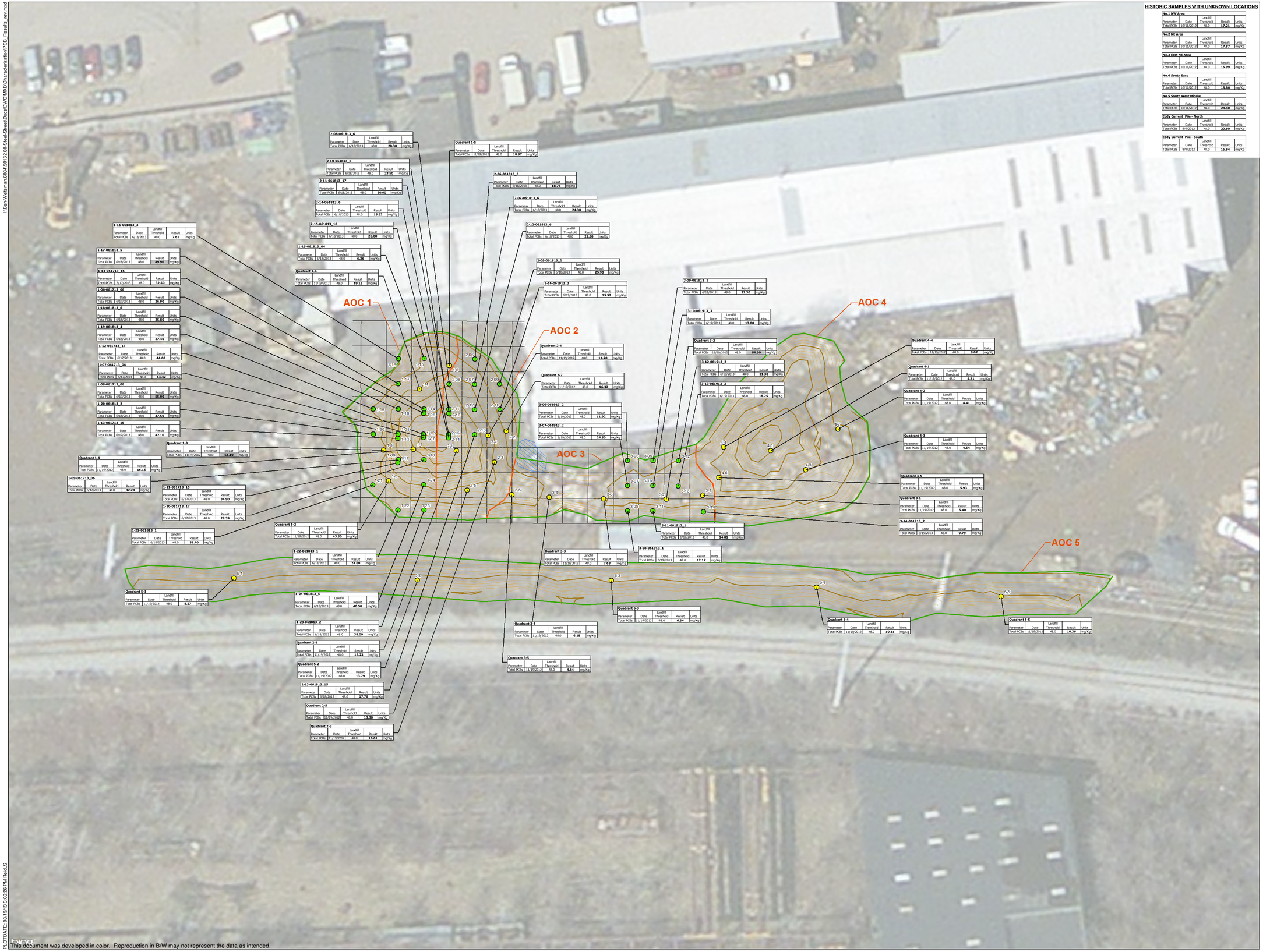
I:\Ben-Weitsman.6084\50162.80-Steel-Street\Docs\DWG\MXD\Characterization\PCB_Results_rev.mxd

FIGURE 2



HISTORIC SAMPLES WITH UNKNOWN LOCATIONS

No.1 NW Area

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	10/11/2012	48.0	**17.21**	mg/Kg

No.2 NE Area

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	10/11/2012	48.0	**17.87**	mg/Kg

No.3 East NE Area

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	10/11/2012	48.0	**15.99**	mg/Kg

No.4 South East

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	10/11/2012	48.0	**18.86**	mg/Kg

No.5 South West Middle

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	10/11/2012	48.0	**28.40**	mg/Kg

Eddy Current Pile - North

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	8/9/2012	48.0	**20.60**	mg/Kg

Eddy Current Pile - South

Parameter	Date	Landfill Threshold	Result	Units
Total PCBs	8/9/2012	48.0	**16.84**	mg/Kg

LEGEND

- CHARACTERIZATION SOIL SAMPLE (JUNE 2013)
- KNOWN HISTORIC SAMPLE LOCATION (NOVEMBER 2013)
- APPROX. LOCATION OF GAS CYLINDERS
- APPROX. FOOTPRINT OF DEBRIS PILES
- APPROX. AOC/QUADRANT BOUNDARY

DEBRIS PILE CONTOUR

- 5-ft
- 1-ft

NOTES:
1. HISTORIC SAMPLE LOCATIONS FROM AUGUST 2012 AND OCTOBER 2012 ARE NOT DEPICTED AS THE LOCATIONS WERE NOT PROVIDED.
2. BOLDED RESULTS INDICATE A DETECTION ABOVE THE REPORTING LIMIT.
3. GRAY SHADED RESULTS INDICATE THE RESULT EXCEEDS THE TOTAL PCB DETECTED CONCENTRATION THRESHOLD FOR DISPOSAL OF DEBRIS AT THE WASTE MANAGEMENT FACILITY AT MODEL CITY, NEW YORK (> 48 PPM). REFERENCE WASTE MANAGEMENT CORRESPONDENCE JUNE 26, 2013.
4. GRID SHOWN REPRESENTS A 12' X 12' X 12' CUBE. CHARACTERIZATION SOIL SAMPLES WERE COLLECTED AT THE CENTER OF EACH CUBE.
5. SAMPLE DEPTHS ARE NOTED AT THE END OF THE SAMPLE ID AND REPRESENT DEPTHS BELOW THE TOP OF THE PILE.
6. AOC = AREA OF CONCERN

BEN WEITSMAN OF ROCHESTER, LLC
WEITSMAN ROCHESTER REALTY, LLC
DEBRIS PILE CHARACTERIZATION REPORT
80 STEEL STREET
ROCHESTER, NEW YORK

CHARACTERIZATION AND HISTORIC SAMPLE LOCATIONS AND RESULTS

0 10 20 40
Feet

AUGUST 2013
6084.50162

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PLOTDATE: 08/13/13 3:06:26 PM ResMLS

Appendix A

Site Photographs

APPENDIX A – PHOTOGRAPHIC LOG

CLIENT NAME:	SITE LOCATION:	PROJECT NO.
Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC	80 Steel Street Rochester, New York 14606	6084|50162

PHOTO NO.	DATE:
001	06/19/13

DESCRIPTION

View of grapple utilized to collect characterization soil samples of individual locations within each of the AOCs.

Client Name:	Site Location:	Project No.
Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC	80 Steel Street Rochester, New York 14606	6084|50162

Photo No.	Date:
002	06/19/13

Description

View of soil sample collection for laboratory analysis of PCBs from an AOC's individual sample location pile staged on poly sheeting.

Client Name:	Site Location:	Project No.
Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC	80 Steel Street Rochester, New York 14606	6084|50162

Photo No.	Date:
003	06/19/13

Description

View of decontaminating grapple by steam cleaning between individual AOC sample locations.

Client Name:	Site Location:	Project No.
Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC	80 Steel Street Rochester, New York 14606	6084|50162

Photo No.	Date:
004	06/19/13

Description

View of utilizing the front-end loader to transfer debris to the individual AOC location sample piles staged on poly sheeting.

Client Name:	Site Location:	Project No.
Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC	80 Steel Street Rochester, New York 14606	6084|50162

Photo No.	Date:
003	06/19/13

Description

View of staged and covered sample piles from the top portion of an individual AOC's sample location.

Client Name:	Site Location:	Project No.
Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC	80 Steel Street Rochester, New York 14606	6084|50162

Photo No.	Date:
004	06/19/13

Description

View of the double solvent wash and rinse decontamination of grapple at the end of the sampling program.

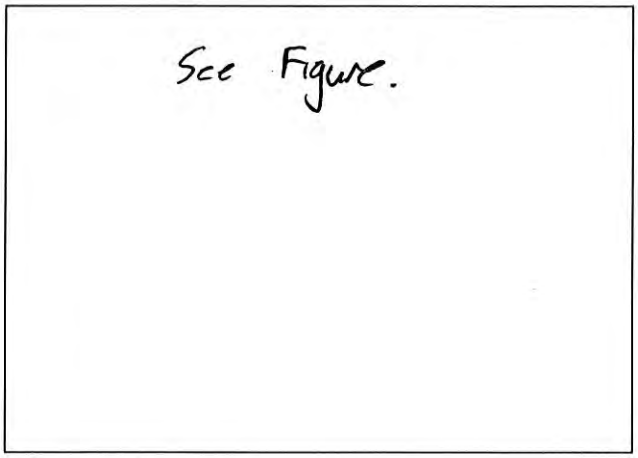
Appendix B

Soil Sample Records

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 08:50
Sample ID: 1-06-06/7/13-06	Sampler: L.Reid

Sample Location:



6-ft BGS Top of Pile

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal, Soil - dark brown loose silt w/some fine sands

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 mph

Temperature: 72°F

Comments:

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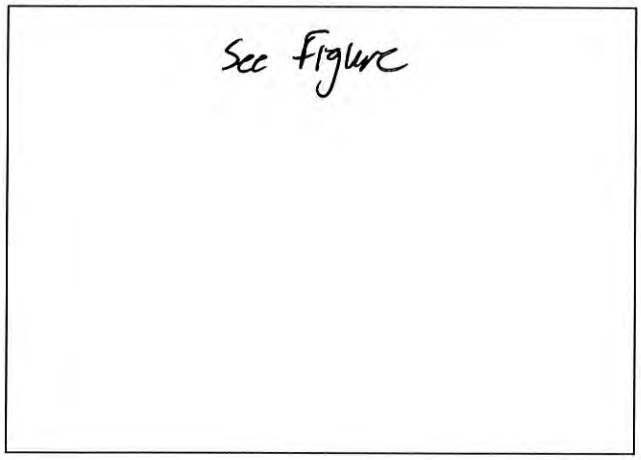
SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 1005
Sample ID: 1-07-06/713_06	Sampler: L.Reid

Sample Location:



6-ft BGS (top Pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil - Dark brown loose silts and fine Sands

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 mph

Temperature: 72°F

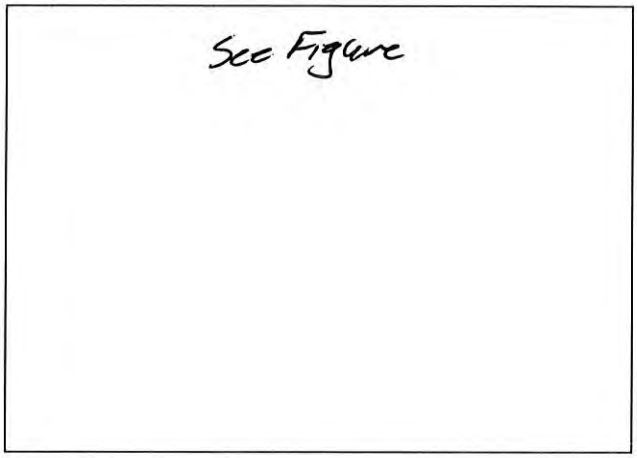
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 11:40
Sample ID: 1-08-061713-06	Sampler: L.Reid

Sample Location:



~6-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil - Dark Brown, trace Black, silts w/fine sands

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph SW

Temperature: 75° F

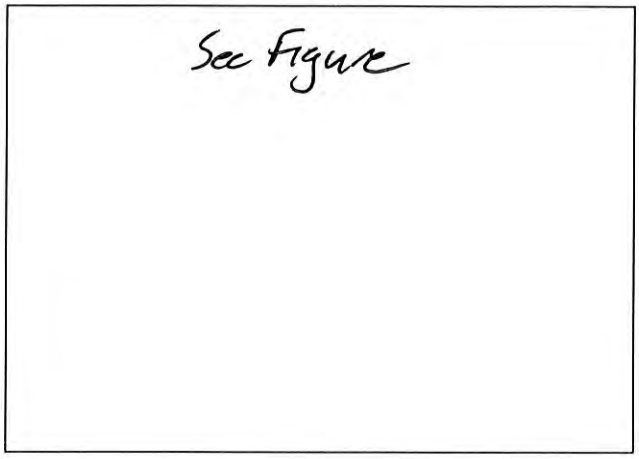
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 14:05
Sample ID: 1-09-061713-06	Sampler: L.Reid

Sample Location:



6-ft BGS from top of pile

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10% metal Soil - Very Dark Brown, Fine to med sands w/ little silts.

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph W

Temperature: 80°F

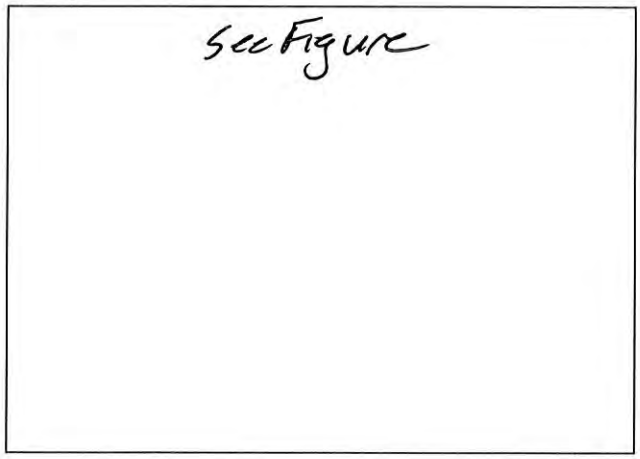
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 14:58
Sample ID: 1-10-06/713-17	Sampler: L.Reid

Sample Location:



17-ft BGS (top pile)
~5ft Above ground

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15-20% metal Soil - Black fine to med sandy, trace silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 WNW

Temperature: 80°F

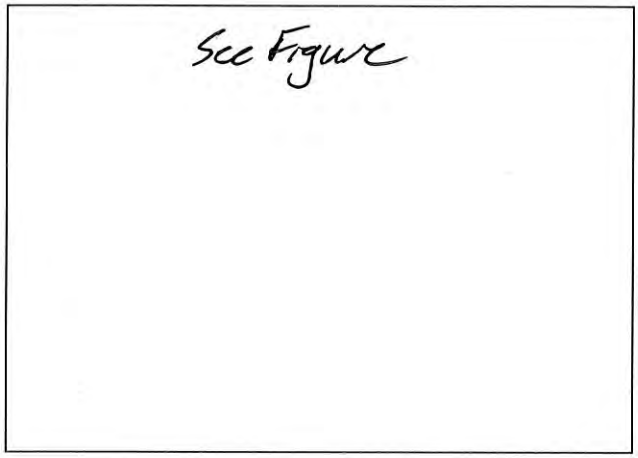
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 15:25
Sample ID: 1-11-061713_15	Sampler: L.Reid

Sample Location:



15-ft bgs (top pile)
~3-ft above ground

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15% Metal, Soil - Black
Fine-Med sands w/ little silts, damp

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph

Temperature: 80°F

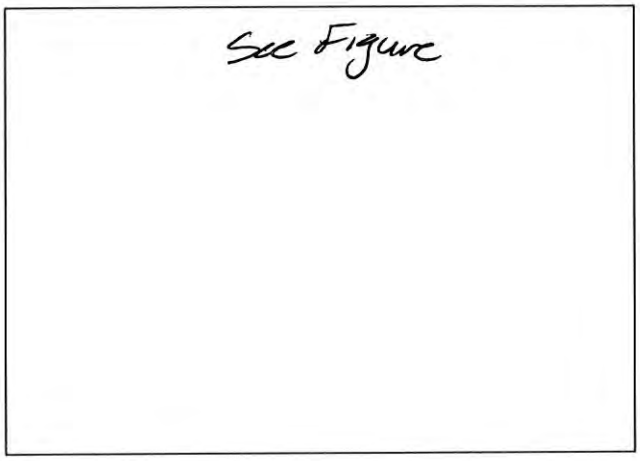
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 1551
Sample ID: 1-12_061713-18	Sampler: L.Reid

Sample Location:



18' BGS (top pile)
~ 6' above ground

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10% Metal - Soil - Black med-fine sands w/ little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph WNW

Temperature: 80°F

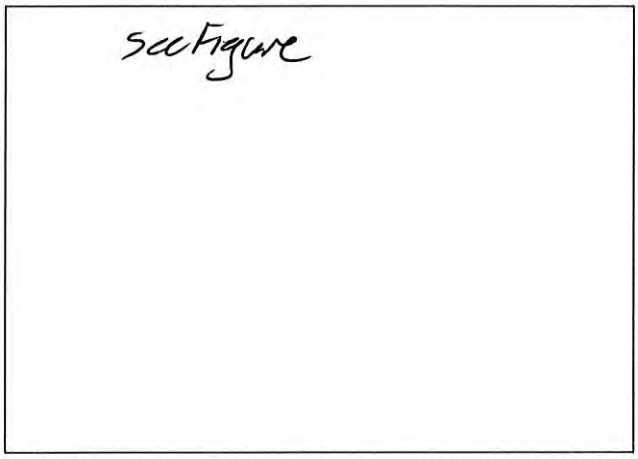
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 1615
Sample ID: 1-13-06/7/13-15	Sampler: L.Reid

Sample Location:



15-ft BGS (top Pile)
~3-ft above ground

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10% Metal Soil - Black
Fine-Med sands, little silts, damp

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph NW

Temperature: 80°F

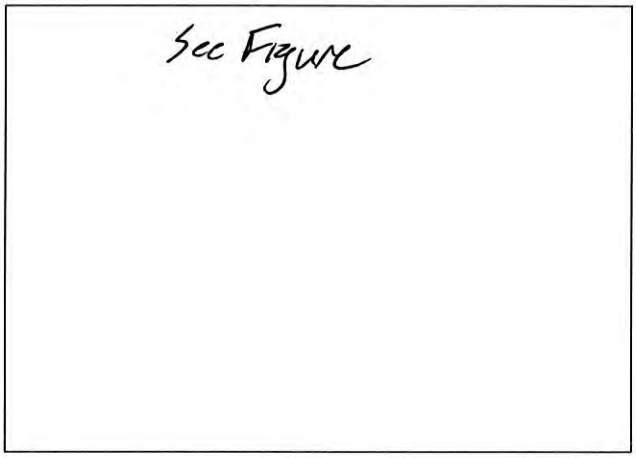
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/17/13
Project#: 50162	Time: 16:50
Sample ID: 1-14-061713-16	Sampler: L.Reid

Sample Location:



16-ft BGS (top pile)
~4-ft above ground

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10% Metal Soil - Black Fine-med sands w/little silts, damp

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 W

Temperature: 80°F

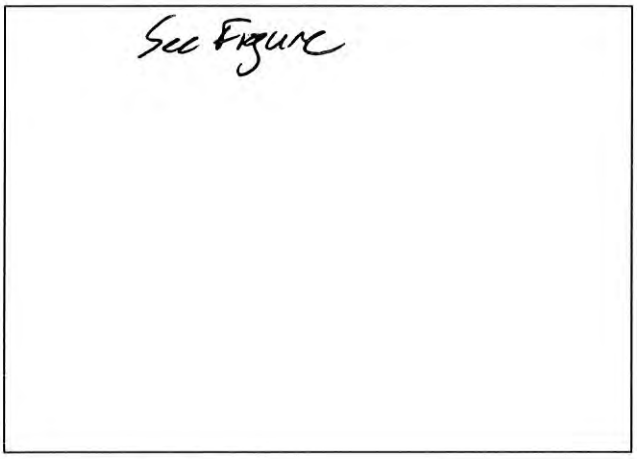
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 7:15
Sample ID: 1-15-061813-04	Sampler: L.Reid

Sample Location:



1-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15-20% Metal Soil- Dark brown fine-med sand w/ little fines

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 65° F

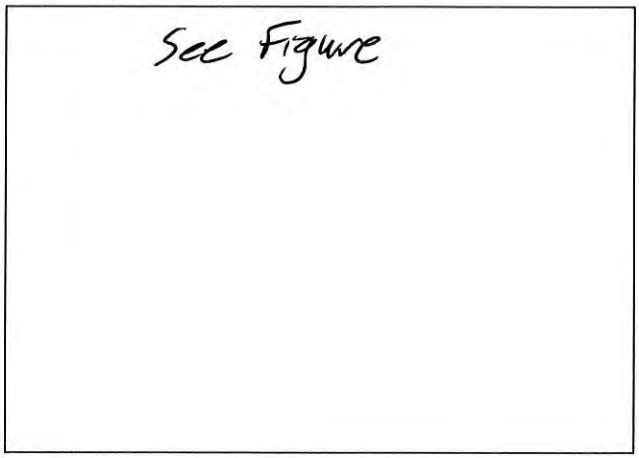
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 8:00
Sample ID: 1-16-061813_3	Sampler: L.Reid

Sample Location:



3 ft BGS (Top Pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15-20% Metal, Soil - Dark Brown loose fine-med sands w/little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 65°F

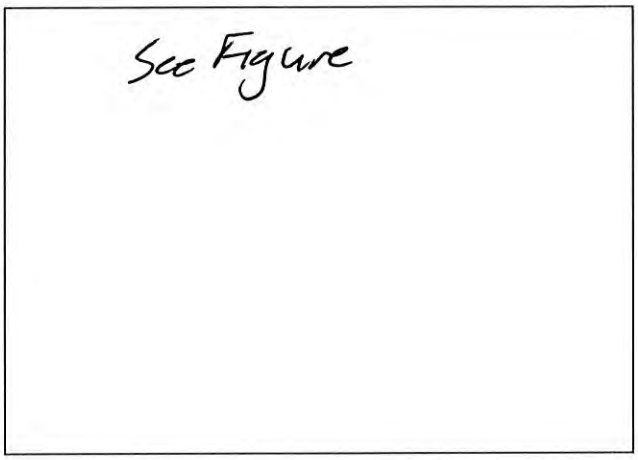
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 8:24
Sample ID: 1-17-061813_5	Sampler: L.Reid

Sample Location:



5-ft BGS (top Pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil - Dark Brown Fine-Med Sands w/little silts.

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 N

Temperature: 66°F

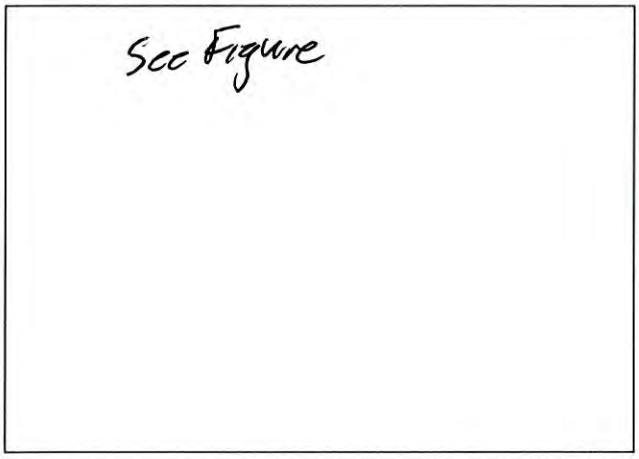
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 840
Sample ID: 1-18-061813-6	Sampler: L.Reid

Sample Location:



6-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal, Soil - Dark Brown, Fine-med sands, little silts, trace fine gravel/course sands

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 66°F

Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 0853
Sample ID: 1-19-061813-4	Sampler: L.Reid

Sample Location:

See Figure

4-ft BGS topsoil

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% metal Soil - Dark Brown Fine-Med Sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 66°F

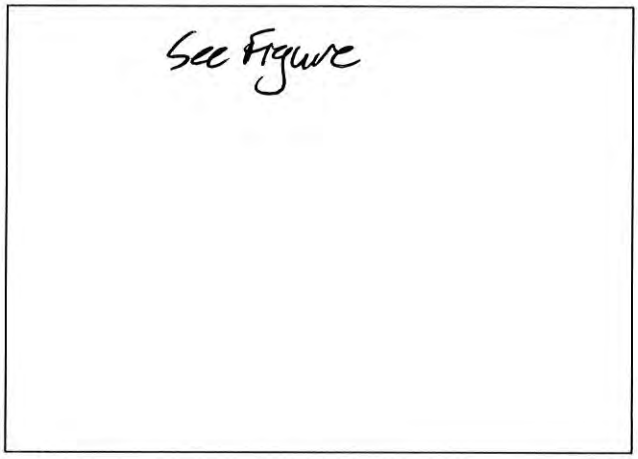
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 904
Sample ID: 1-20-061813-2	Sampler: L.Reid

Sample Location:



2-ft BGS (top pik)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10 % Metal Soil-Dark Brown, Fine-Med sands, little silts, trace coarse sands

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 66°F

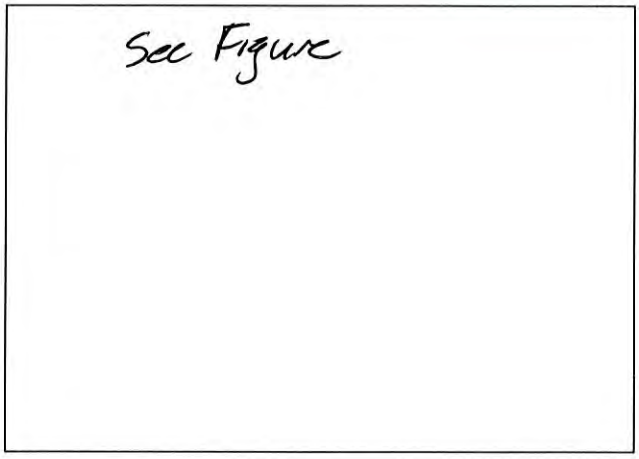
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 910
Sample ID: 1-21-061813-1	Sampler: L.Reid

Sample Location:



1-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5% Metal, Soil- Dark Brown, Fine-Med sands, little silts, trace coarse sand

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 60°F

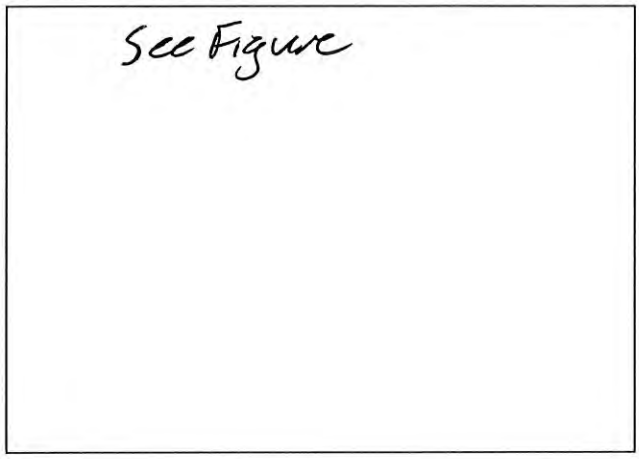
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 9:20
Sample ID: 1-22-061813_1	Sampler: L.Reid

Sample Location:



1-Ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10 % Metal Soil - Dark Brown, Fine-Med sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 66°F

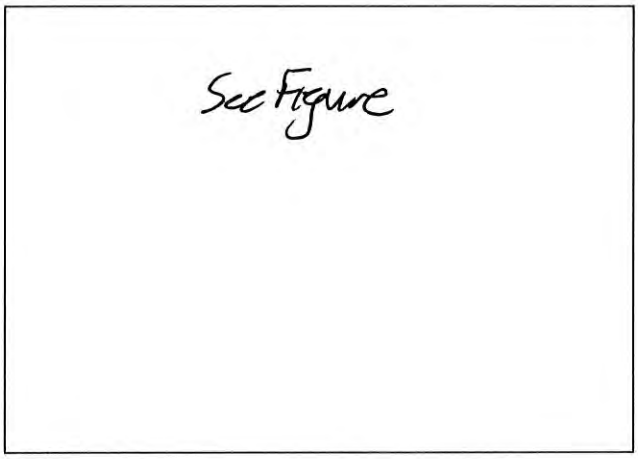
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 928
Sample ID: 1-23-061813-2	Sampler: L.Reid

Sample Location:



2-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5% Metal Soil- Dark Brown, Fine-Med sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 60°F

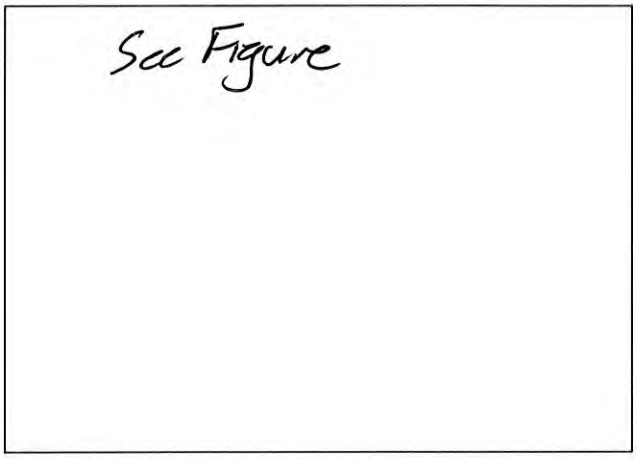
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/28/13
Project#: 50162	Time: 0942
Sample ID: 1-24-061813_5	Sampler: L.Reid

Sample Location:



5-ft BGS (top Pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal, Soil- Dk Brwn, Fine-Med Sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 66°F

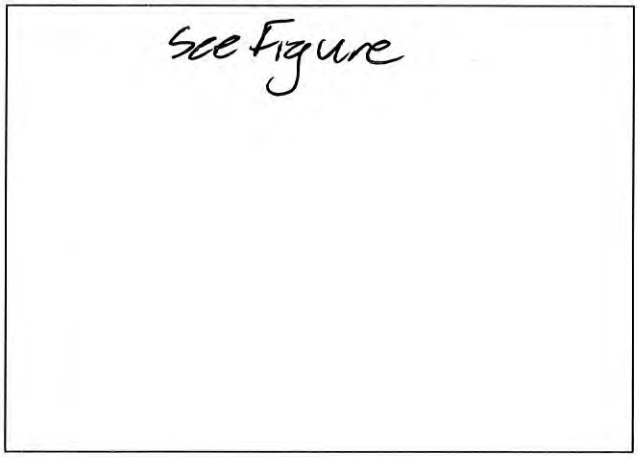
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 10:18
Sample ID: 2-06-061813_3	Sampler: L.Reid

Sample Location:



3-ft BGS (topsoil)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil - Dark Brown Fine-Med sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph W

Temperature: 68°F

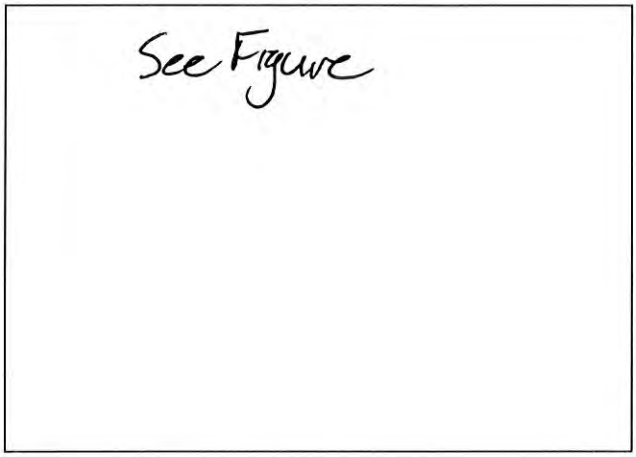
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1036
Sample ID: 2-07-061813_6	Sampler: L.Reid

Sample Location:



6-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil- Dark Brown Fine-Med Sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: N/A

Wind: 10-15 mph N

Temperature: 70°F

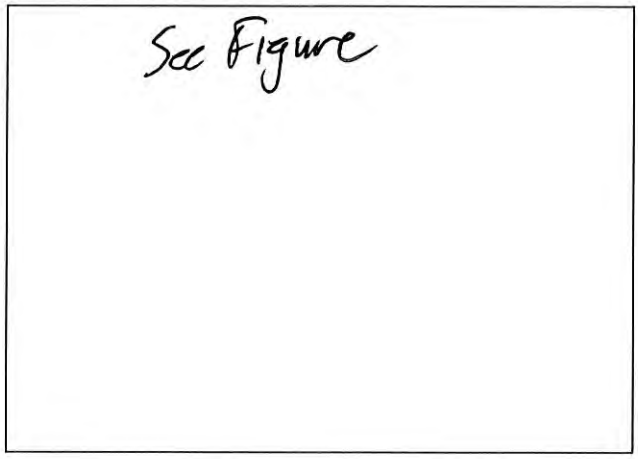
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1053
Sample ID: 2-08-06/813.6	Sampler: L.Reid

Sample Location:



6-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10% metal Soil- Drk Brwn F-M sand, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 70° F

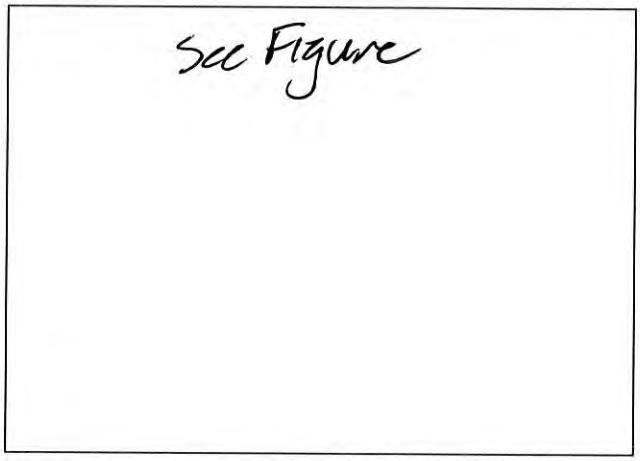
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 11:08
Sample ID: 2-09-061813-2	Sampler: L.Reid

Sample Location:



2-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5% Metal Soil - Vry Drk Brwn F-M sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 N

Temperature: 70°F

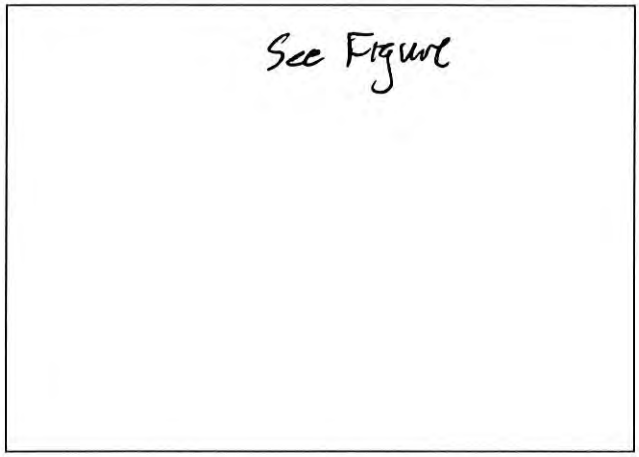
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1150
Sample ID: 2-10-06/8/13-6	Sampler: L.Reid

Sample Location:



6-Ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5% Metal, Soil - Vry Drk Brwn F-M Sand, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 70°F

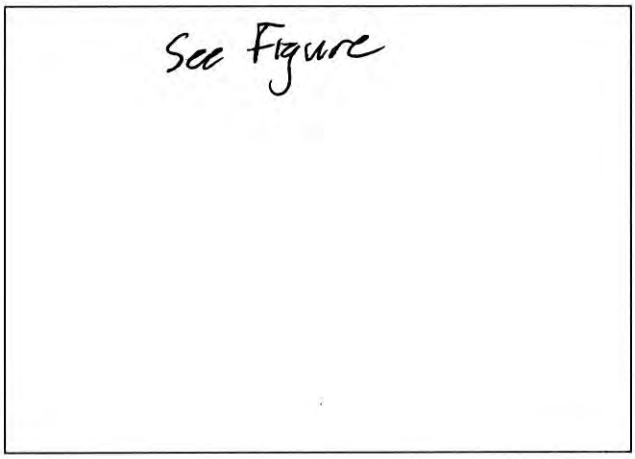
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 12:28
Sample ID: 2-11-061813-17	Sampler: L.Reid

Sample Location:



17-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10 % Metal Soil - Drk Brown F-M Sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 70°F

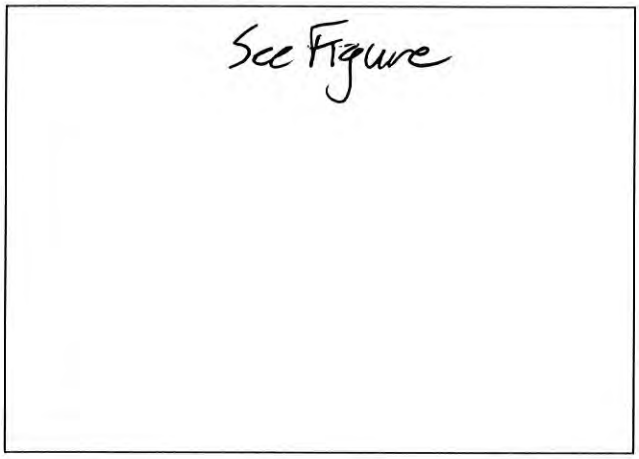
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1415
Sample ID: 2-12-06/813_6	Sampler: L.Reid

Sample Location:



6-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15 % Metal, Soil - Drk Brwn F-M sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph N

Temperature: 72° F

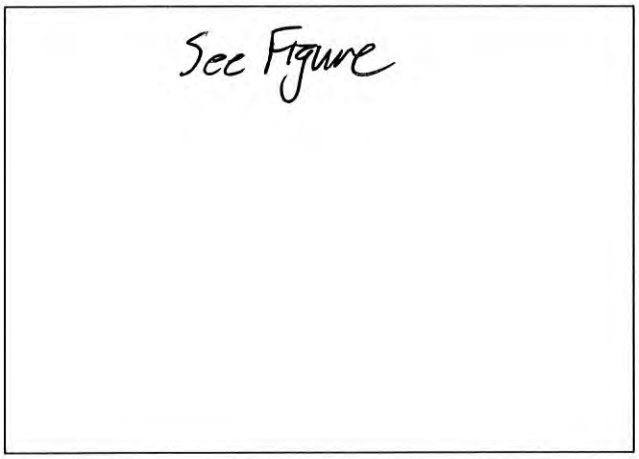
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1545
Sample ID: 2-13-06/813-15	Sampler: L.Reid

Sample Location:



15-ft BGS Top Pile

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10% metal Soil- Very Dark Brown, M-F sands, ~~too~~ little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph NW

Temperature: 72F

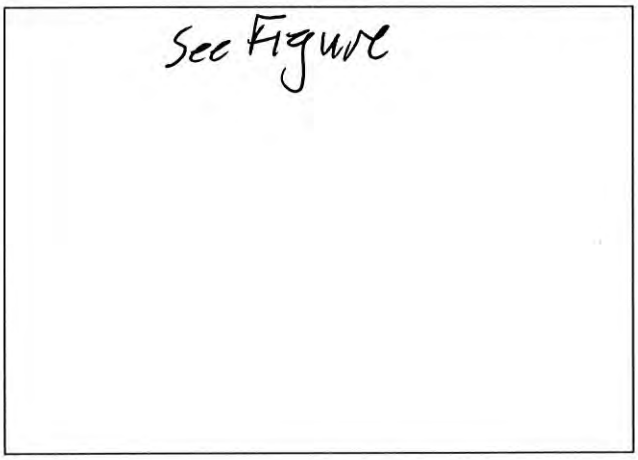
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1620
Sample ID: 2-14-061813-6	Sampler: L.Reid

Sample Location:



6-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10 % metal Soil - Drk Brown, F-M sands w/ little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 mph

Temperature: 72°F

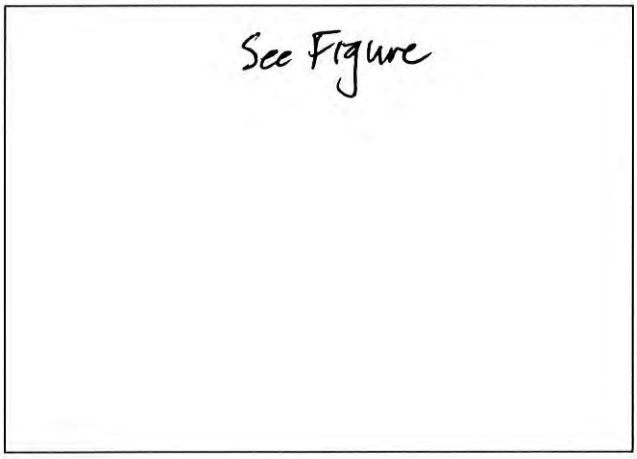
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/18/13
Project#: 50162	Time: 1710
Sample ID: 2-15-061813-18	Sampler: L.Reid

Sample Location:



18-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil- Dark Brown, F-M sands, little silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 10-15 N

Temperature: 72°F

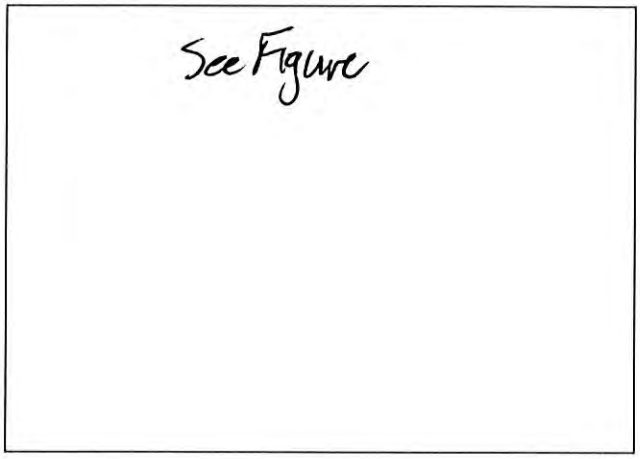
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0810
Sample ID: 2-16-061913_3	Sampler: L.Reid

Sample Location:



3-ft BGS (top pile)

Sample Collection Method ~~Disposal Sterile Plastic Scoop~~ Hand Auger to bag, Disposable Steak Plastic Scoop to jar.

Sample Description (% Metal) <5% metal soil Dark Brown F-M Sand, little silts, trace fine, subangular gravel

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5 mph NE

Temperature: 62°F

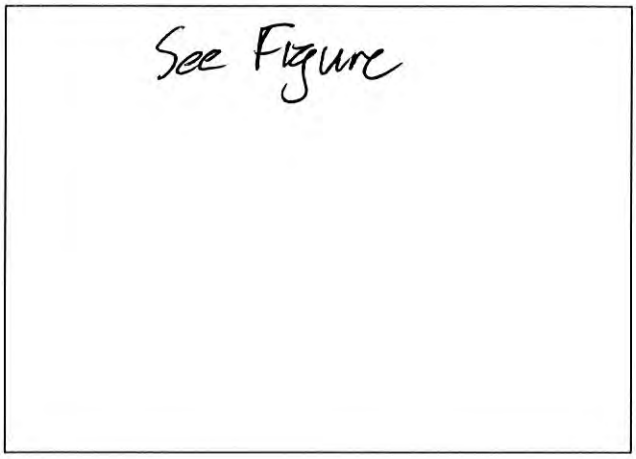
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0827
Sample ID: 3-06-061913-2	Sampler: L.Reid

Sample Location:



2-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15% - 20% Metal Soil - Dark Brown, F-M Sands w/ little silts,

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5 mph NE

Temperature: 65°F

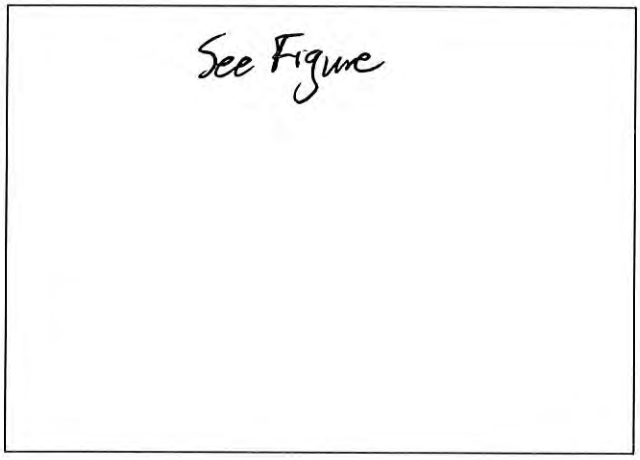
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0853
Sample ID: 3-07-06/9/13-4	Sampler: L.Reid

Sample Location:



4-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 20 – 30% Metal Soil – Vry Drk Brwn, F-M Sands, some silt, damp

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 mph NE

Temperature: 68° F

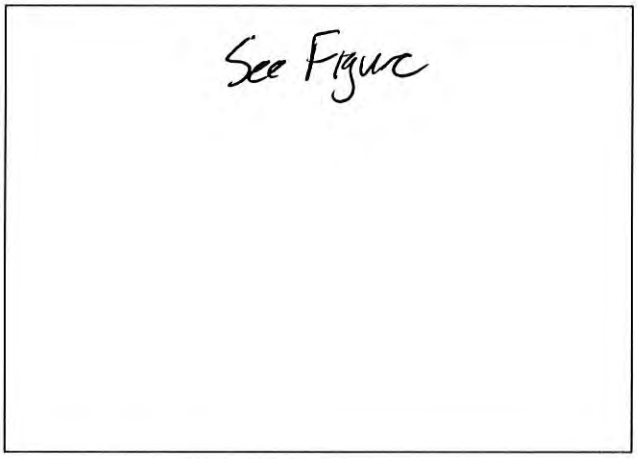
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0902
Sample ID: 3-08-061913-1	Sampler: L.Reid

Sample Location:



1-ft BGS (topsoil)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 15-20% metal Soil - Dark Brown F-M Sands, some silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 NE

Temperature: 66° F

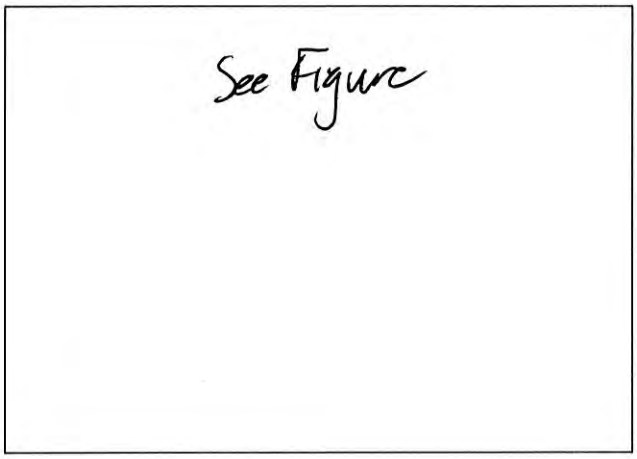
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 910
Sample ID: 3-09-06/913-1	Sampler: L.Reid

Sample Location:



1-Ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% Metal Soil - Very Dark Brown, F-M sands w/ some silts.

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: N/A

Wind: 5-10 mph NE

Temperature: 66°F

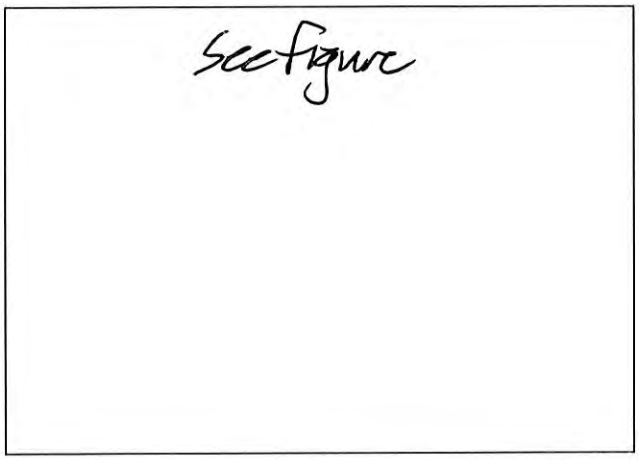
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0918
Sample ID: 3-10-06/19/13-3	Sampler: L.Reid

Sample Location:



3-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% metal Soil - Very Dark Brown F-M sands, some silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10° NE

Temperature: 60°F

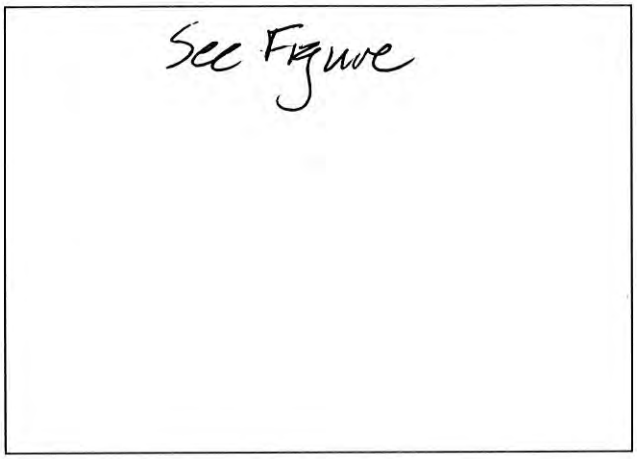
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0925
Sample ID: 3-11-06/913_1	Sampler: L.Reid

Sample Location:



1-ft BGS (topsoil)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 5-10% metal Soil - Vry Drk Brwn. F-M sands, some silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: N/A

Wind: 5-10 mph NE

Temperature: 66°F

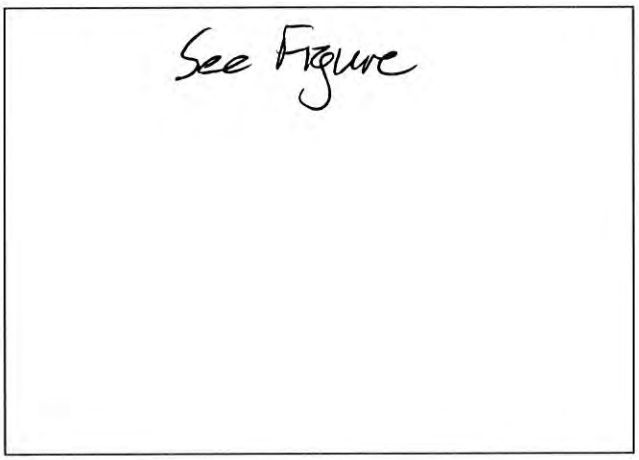
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0935
Sample ID: 3-12-061913-2	Sampler: L.Reid

Sample Location:



2-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 20-30% Metal Soil - Vry Dk Brown, F-M sands, some silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 mph NE

Temperature: 68°F

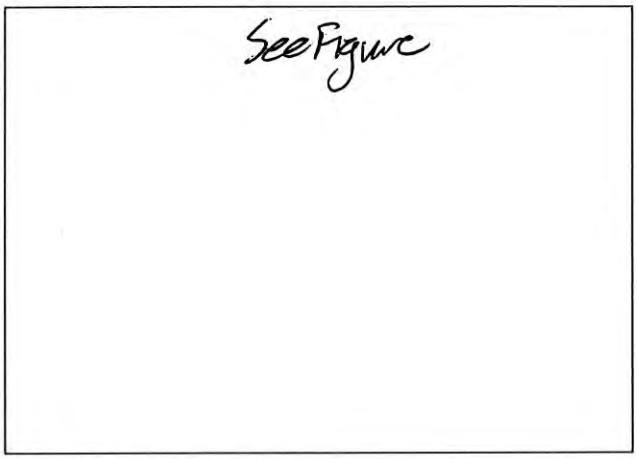
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0948
Sample ID: 3-13-061913_3	Sampler: L.Reid

Sample Location:



3-ft BGS (topsoil)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10-15% metal Soil - Very Dark Brown, F-M sands, some silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 mph NE

Temperature: 66°F

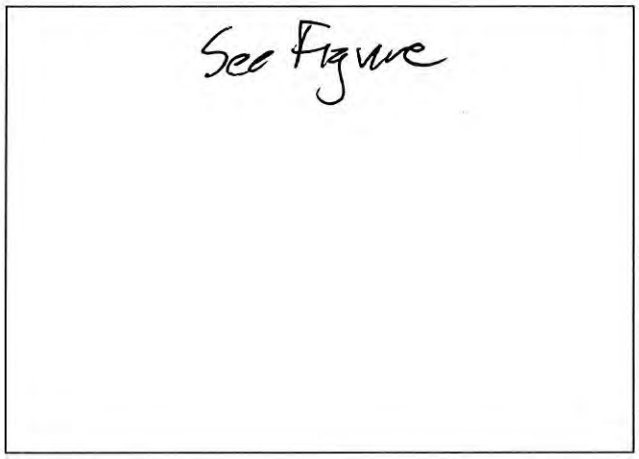
Comments:

O'BRIEN & GERE

SOIL SAMPLE RECORD

Project: 80 Steel Street Soil Pile	Date: 6/19/13
Project#: 50162	Time: 0956
Sample ID: 3-14-06/913-2	Sampler: L.Reid

Sample Location:



2-ft BGS (top pile)

Sample Collection Method Disposal Sterile Plastic Scoop

Sample Description (% Metal) 10-15% metal, Soil - Vry Dark Brown. F-M sands, some silts

Sample Headspace (ppm) NA

Sample Analysis Total PCBs 8082

Weather

Precipitation: NA

Wind: 5-10 mph

Temperature: 66°F

Comments:

O'BRIEN & GERE

Exhibit A

Paradigm Environmental Services, Inc. Laboratory Analytical Reports

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

O'Brien & Gere Engineers, Inc.

For Lab Project ID

132240

Referencing

80 Steel Street

Prepared

Thursday, June 27, 2013

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

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

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

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-06-061713_06
Lab Sample ID: 132240-01
Matrix: Soil

Date Sampled: 6/17/2013 8:50 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.36	mg/Kg		6/24/2013 7:49:20 AM
PCB-1221	< 2.36	mg/Kg		6/24/2013 7:49:20 AM
PCB-1232	< 2.36	mg/Kg		6/24/2013 7:49:20 AM
PCB-1242	< 2.36	mg/Kg		6/24/2013 7:49:20 AM
PCB-1248	**15.4**	mg/Kg		6/24/2013 7:49:20 AM
PCB-1254	**11.5**	mg/Kg		6/24/2013 7:49:20 AM
PCB-1260	< 2.36	mg/Kg		6/24/2013 7:49:20 AM
PCB-1262	< 2.36	mg/Kg		6/24/2013 7:49:20 AM
PCB-1268	< 2.36	mg/Kg		6/24/2013 7:49:20 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-07-061713_06
Lab Sample ID: 132240-02
Matrix: Soil

Date Sampled: 6/17/2013 10:05 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 0.466	mg/Kg		6/21/2013 3:02:54 AM
PCB-1221	< 0.466	mg/Kg		6/21/2013 3:02:54 AM
PCB-1232	< 0.466	mg/Kg		6/21/2013 3:02:54 AM
PCB-1242	< 0.466	mg/Kg		6/21/2013 3:02:54 AM
PCB-1248	**7.41**	mg/Kg		6/21/2013 3:02:54 AM
PCB-1254	**6.91**	mg/Kg		6/21/2013 3:02:54 AM
PCB-1260	< 0.466	mg/Kg		6/21/2013 3:02:54 AM
PCB-1262	< 0.466	mg/Kg		6/21/2013 3:02:54 AM
PCB-1268	< 0.466	mg/Kg		6/21/2013 3:02:54 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-08-061713_06
Lab Sample ID: 132240-03
Matrix: Soil

Date Sampled: 6/17/2013 11:40 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.39	mg/Kg		6/24/2013 8:12:18 AM
PCB-1221	< 2.39	mg/Kg		6/24/2013 8:12:18 AM
PCB-1232	< 2.39	mg/Kg		6/24/2013 8:12:18 AM
PCB-1242	< 2.39	mg/Kg		6/24/2013 8:12:18 AM
PCB-1248	**34.1**	mg/Kg		6/24/2013 8:12:18 AM
PCB-1254	**20.9**	mg/Kg		6/24/2013 8:12:18 AM
PCB-1260	< 2.39	mg/Kg		6/24/2013 8:12:18 AM
PCB-1262	< 2.39	mg/Kg		6/24/2013 8:12:18 AM
PCB-1268	< 2.39	mg/Kg	M	6/24/2013 8:12:18 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-09-061713_06
Lab Sample ID: 132240-04
Matrix: Soil

Date Sampled: 6/17/2013 2:05 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.33	mg/Kg		6/24/2013 8:35:19 AM
PCB-1221	< 2.33	mg/Kg		6/24/2013 8:35:19 AM
PCB-1232	< 2.33	mg/Kg		6/24/2013 8:35:19 AM
PCB-1242	< 2.33	mg/Kg		6/24/2013 8:35:19 AM
PCB-1248	**18.0**	mg/Kg		6/24/2013 8:35:19 AM
PCB-1254	**14.2**	mg/Kg		6/24/2013 8:35:19 AM
PCB-1260	< 2.33	mg/Kg		6/24/2013 8:35:19 AM
PCB-1262	< 2.33	mg/Kg		6/24/2013 8:35:19 AM
PCB-1268	< 2.33	mg/Kg		6/24/2013 8:35:19 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-10-061713_17
Lab Sample ID: 132240-05
Matrix: Soil

Date Sampled: 6/17/2013 2:58 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.31	mg/Kg		6/24/2013 8:58:24 AM
PCB-1221	< 2.31	mg/Kg		6/24/2013 8:58:24 AM
PCB-1232	< 2.31	mg/Kg		6/24/2013 8:58:24 AM
PCB-1242	< 2.31	mg/Kg		6/24/2013 8:58:24 AM
PCB-1248	**19.7**	mg/Kg		6/24/2013 8:58:24 AM
PCB-1254	**9.69**	mg/Kg		6/24/2013 8:58:24 AM
PCB-1260	< 2.31	mg/Kg		6/24/2013 8:58:24 AM
PCB-1262	< 2.31	mg/Kg		6/24/2013 8:58:24 AM
PCB-1268	< 2.31	mg/Kg		6/24/2013 8:58:24 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-12-061713_17
Lab Sample ID: 132240-06
Matrix: Soil

Date Sampled: 6/17/2013 3:51 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.31	mg/Kg		6/24/2013 7:24:23 PM
PCB-1221	< 2.31	mg/Kg		6/24/2013 7:24:23 PM
PCB-1232	< 2.31	mg/Kg		6/24/2013 7:24:23 PM
PCB-1242	< 2.31	mg/Kg		6/24/2013 7:24:23 PM
PCB-1248	**23.7**	mg/Kg		6/24/2013 7:24:23 PM
PCB-1254	**20.9**	mg/Kg		6/24/2013 7:24:23 PM
PCB-1260	< 2.31	mg/Kg		6/24/2013 7:24:23 PM
PCB-1262	< 2.31	mg/Kg		6/24/2013 7:24:23 PM
PCB-1268	< 2.31	mg/Kg		6/24/2013 7:24:23 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-11-061713_15
Lab Sample ID: 132240-07
Matrix: Soil

Date Sampled: 6/17/2013 3:25 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.40	mg/Kg		6/24/2013 9:42:50 PM
PCB-1221	< 2.40	mg/Kg		6/24/2013 9:42:50 PM
PCB-1232	< 2.40	mg/Kg		6/24/2013 9:42:50 PM
PCB-1242	< 2.40	mg/Kg		6/24/2013 9:42:50 PM
PCB-1248	**22.3**	mg/Kg		6/24/2013 9:42:50 PM
PCB-1254	**12.6**	mg/Kg		6/24/2013 9:42:50 PM
PCB-1260	< 2.40	mg/Kg		6/24/2013 9:42:50 PM
PCB-1262	< 2.40	mg/Kg		6/24/2013 9:42:50 PM
PCB-1268	< 2.40	mg/Kg		6/24/2013 9:42:50 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-13-061713_15
Lab Sample ID: 132240-08
Matrix: Soil

Date Sampled: 6/17/2013 4:15 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.41	mg/Kg		6/24/2013 10:05:46 PM
PCB-1221	< 2.41	mg/Kg		6/24/2013 10:05:46 PM
PCB-1232	< 2.41	mg/Kg		6/24/2013 10:05:46 PM
PCB-1242	< 2.41	mg/Kg		6/24/2013 10:05:46 PM
PCB-1248	**26.5**	mg/Kg		6/24/2013 10:05:46 PM
PCB-1254	**15.6**	mg/Kg		6/24/2013 10:05:46 PM
PCB-1260	< 2.41	mg/Kg		6/24/2013 10:05:46 PM
PCB-1262	< 2.41	mg/Kg		6/24/2013 10:05:46 PM
PCB-1268	< 2.41	mg/Kg		6/24/2013 10:05:46 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-14-061713_16
Lab Sample ID: 132240-09
Matrix: Soil

Date Sampled: 6/17/2013 4:50 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.38	mg/Kg		6/24/2013 10:28:53 PM
PCB-1221	< 2.38	mg/Kg		6/24/2013 10:28:53 PM
PCB-1232	< 2.38	mg/Kg		6/24/2013 10:28:53 PM
PCB-1242	< 2.38	mg/Kg		6/24/2013 10:28:53 PM
PCB-1248	**19.5**	mg/Kg		6/24/2013 10:28:53 PM
PCB-1254	**13.0**	mg/Kg		6/24/2013 10:28:53 PM
PCB-1260	< 2.38	mg/Kg		6/24/2013 10:28:53 PM
PCB-1262	< 2.38	mg/Kg		6/24/2013 10:28:53 PM
PCB-1268	< 2.38	mg/Kg		6/24/2013 10:28:53 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-15-061813_04
Lab Sample ID: 132240-10
Matrix: Soil

Date Sampled: 6/18/2013 7:45 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1221	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1232	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1242	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1248	**6.36**	mg/Kg		6/21/2013 6:53:58 AM
PCB-1254	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1260	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1262	< 0.454	mg/Kg		6/21/2013 6:53:58 AM
PCB-1268	< 0.454	mg/Kg		6/21/2013 6:53:58 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-16-061813_3
Lab Sample ID: 132240-11
Matrix: Soil

Date Sampled: 6/18/2013 8:00 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 0.472	mg/Kg		6/21/2013 7:17:05 AM
PCB-1221	< 0.472	mg/Kg		6/21/2013 7:17:05 AM
PCB-1232	< 0.472	mg/Kg		6/21/2013 7:17:05 AM
PCB-1242	< 0.472	mg/Kg		6/21/2013 7:17:05 AM
PCB-1248	**4.53**	mg/Kg		6/21/2013 7:17:05 AM
PCB-1254	**3.08**	mg/Kg		6/21/2013 7:17:05 AM
PCB-1260	< 0.472	mg/Kg		6/21/2013 7:17:05 AM
PCB-1262	< 0.472	mg/Kg		6/21/2013 7:17:05 AM
PCB-1268	< 0.472	mg/Kg		6/21/2013 7:17:05 AM

Method Reference(s): EPA 8082A
EPA 3550C

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-17-061813_5
Lab Sample ID: 132240-12
Matrix: Soil

Date Sampled: 6/18/2013 8:24 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.41	mg/Kg		6/24/2013 10:52:01 PM
PCB-1221	< 2.41	mg/Kg		6/24/2013 10:52:01 PM
PCB-1232	< 2.41	mg/Kg		6/24/2013 10:52:01 PM
PCB-1242	< 2.41	mg/Kg		6/24/2013 10:52:01 PM
PCB-1248	**27.3**	mg/Kg		6/24/2013 10:52:01 PM
PCB-1254	**22.6**	mg/Kg		6/24/2013 10:52:01 PM
PCB-1260	< 2.41	mg/Kg		6/24/2013 10:52:01 PM
PCB-1262	< 2.41	mg/Kg		6/24/2013 10:52:01 PM
PCB-1268	< 2.41	mg/Kg		6/24/2013 10:52:01 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-18-061813_6
Lab Sample ID: 132240-13
Matrix: Soil

Date Sampled: 6/18/2013 8:40 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.31	mg/Kg		6/24/2013 11:15:12 PM
PCB-1221	< 2.31	mg/Kg		6/24/2013 11:15:12 PM
PCB-1232	< 2.31	mg/Kg		6/24/2013 11:15:12 PM
PCB-1242	< 2.31	mg/Kg		6/24/2013 11:15:12 PM
PCB-1248	**14.4**	mg/Kg		6/24/2013 11:15:12 PM
PCB-1254	**11.4**	mg/Kg		6/24/2013 11:15:12 PM
PCB-1260	< 2.31	mg/Kg		6/24/2013 11:15:12 PM
PCB-1262	< 2.31	mg/Kg		6/24/2013 11:15:12 PM
PCB-1268	< 2.31	mg/Kg		6/24/2013 11:15:12 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-19-061813_4
Lab Sample ID: 132240-14
Matrix: Soil

Date Sampled: 6/18/2013 8:53 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.36	mg/Kg		6/24/2013 11:38:07 PM
PCB-1221	< 2.36	mg/Kg		6/24/2013 11:38:07 PM
PCB-1232	< 2.36	mg/Kg		6/24/2013 11:38:07 PM
PCB-1242	< 2.36	mg/Kg		6/24/2013 11:38:07 PM
PCB-1248	**15.2**	mg/Kg		6/24/2013 11:38:07 PM
PCB-1254	**12.2**	mg/Kg		6/24/2013 11:38:07 PM
PCB-1260	< 2.36	mg/Kg		6/24/2013 11:38:07 PM
PCB-1262	< 2.36	mg/Kg		6/24/2013 11:38:07 PM
PCB-1268	< 2.36	mg/Kg		6/24/2013 11:38:07 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-20-061813_2
Lab Sample ID: 132240-15
Matrix: Soil

Date Sampled: 6/18/2013 9:04 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.33	mg/Kg		6/25/2013 12:01:01 AM
PCB-1221	< 2.33	mg/Kg		6/25/2013 12:01:01 AM
PCB-1232	< 2.33	mg/Kg		6/25/2013 12:01:01 AM
PCB-1242	< 2.33	mg/Kg		6/25/2013 12:01:01 AM
PCB-1248	**18.0**	mg/Kg		6/25/2013 12:01:01 AM
PCB-1254	**19.5**	mg/Kg		6/25/2013 12:01:01 AM
PCB-1260	< 2.33	mg/Kg		6/25/2013 12:01:01 AM
PCB-1262	< 2.33	mg/Kg		6/25/2013 12:01:01 AM
PCB-1268	< 2.33	mg/Kg		6/25/2013 12:01:01 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-21-061813_1
Lab Sample ID: 132240-16
Matrix: Soil

Date Sampled: 6/18/2013 9:10 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.37	mg/Kg		6/25/2013 12:47:05 AM
PCB-1221	< 2.37	mg/Kg		6/25/2013 12:47:05 AM
PCB-1232	< 2.37	mg/Kg		6/25/2013 12:47:05 AM
PCB-1242	< 2.37	mg/Kg		6/25/2013 12:47:05 AM
PCB-1248	**17.8**	mg/Kg		6/25/2013 12:47:05 AM
PCB-1254	**13.6**	mg/Kg		6/25/2013 12:47:05 AM
PCB-1260	< 2.37	mg/Kg		6/25/2013 12:47:05 AM
PCB-1262	< 2.37	mg/Kg		6/25/2013 12:47:05 AM
PCB-1268	< 2.37	mg/Kg		6/25/2013 12:47:05 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-22-061813_1
Lab Sample ID: 132240-17
Matrix: Soil

Date Sampled: 6/18/2013 9:20 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.33	mg/Kg		6/25/2013 1:10:15 AM
PCB-1221	< 2.33	mg/Kg		6/25/2013 1:10:15 AM
PCB-1232	< 2.33	mg/Kg		6/25/2013 1:10:15 AM
PCB-1242	< 2.33	mg/Kg		6/25/2013 1:10:15 AM
PCB-1248	**12.5**	mg/Kg		6/25/2013 1:10:15 AM
PCB-1254	**12.1**	mg/Kg		6/25/2013 1:10:15 AM
PCB-1260	< 2.33	mg/Kg		6/25/2013 1:10:15 AM
PCB-1262	< 2.33	mg/Kg		6/25/2013 1:10:15 AM
PCB-1268	< 2.33	mg/Kg		6/25/2013 1:10:15 AM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-23-061813_2
Lab Sample ID: 132240-18
Matrix: Soil

Date Sampled: 6/18/2013 9:28 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.35	mg/Kg		6/24/2013 2:24:45 PM
PCB-1221	< 2.35	mg/Kg		6/24/2013 2:24:45 PM
PCB-1232	< 2.35	mg/Kg		6/24/2013 2:24:45 PM
PCB-1242	< 2.35	mg/Kg		6/24/2013 2:24:45 PM
PCB-1248	**17.0**	mg/Kg		6/24/2013 2:24:45 PM
PCB-1254	**21.0**	mg/Kg		6/24/2013 2:24:45 PM
PCB-1260	< 2.35	mg/Kg		6/24/2013 2:24:45 PM
PCB-1262	< 2.35	mg/Kg		6/24/2013 2:24:45 PM
PCB-1268	< 2.35	mg/Kg		6/24/2013 2:24:45 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 1-24-061813_5
Lab Sample ID: 132240-19
Matrix: Soil

Date Sampled: 6/18/2013 9:42 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.37	mg/Kg		6/24/2013 2:47:54 PM
PCB-1221	< 2.37	mg/Kg		6/24/2013 2:47:54 PM
PCB-1232	< 2.37	mg/Kg		6/24/2013 2:47:54 PM
PCB-1242	< 2.37	mg/Kg		6/24/2013 2:47:54 PM
PCB-1248	**25.3**	mg/Kg		6/24/2013 2:47:54 PM
PCB-1254	**15.2**	mg/Kg		6/24/2013 2:47:54 PM
PCB-1260	< 2.37	mg/Kg		6/24/2013 2:47:54 PM
PCB-1262	< 2.37	mg/Kg		6/24/2013 2:47:54 PM
PCB-1268	< 2.37	mg/Kg		6/24/2013 2:47:54 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-06-061813_3
Lab Sample ID: 132240-20
Matrix: Soil

Date Sampled: 6/18/2013 10:18 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.38	mg/Kg		6/24/2013 3:11:07 PM
PCB-1221	< 2.38	mg/Kg		6/24/2013 3:11:07 PM
PCB-1232	< 2.38	mg/Kg		6/24/2013 3:11:07 PM
PCB-1242	< 2.38	mg/Kg		6/24/2013 3:11:07 PM
PCB-1248	**10.7**	mg/Kg		6/24/2013 3:11:07 PM
PCB-1254	**7.97**	mg/Kg		6/24/2013 3:11:07 PM
PCB-1260	< 2.38	mg/Kg		6/24/2013 3:11:07 PM
PCB-1262	< 2.38	mg/Kg		6/24/2013 3:11:07 PM
PCB-1268	< 2.38	mg/Kg		6/24/2013 3:11:07 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-07-061813_6
Lab Sample ID: 132240-21
Matrix: Soil

Date Sampled: 6/18/2013 10:36 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.33	mg/Kg		6/24/2013 3:34:09 PM
PCB-1221	< 2.33	mg/Kg		6/24/2013 3:34:09 PM
PCB-1232	< 2.33	mg/Kg		6/24/2013 3:34:09 PM
PCB-1242	< 2.33	mg/Kg		6/24/2013 3:34:09 PM
PCB-1248	**12.9**	mg/Kg		6/24/2013 3:34:09 PM
PCB-1254	**11.4**	mg/Kg		6/24/2013 3:34:09 PM
PCB-1260	< 2.33	mg/Kg		6/24/2013 3:34:09 PM
PCB-1262	< 2.33	mg/Kg		6/24/2013 3:34:09 PM
PCB-1268	< 2.33	mg/Kg		6/24/2013 3:34:09 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-08-061813_6
Lab Sample ID: 132240-22
Matrix: Soil

Date Sampled: 6/18/2013 10:53 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.42	mg/Kg		6/24/2013 3:57:07 PM
PCB-1221	< 2.42	mg/Kg		6/24/2013 3:57:07 PM
PCB-1232	< 2.42	mg/Kg		6/24/2013 3:57:07 PM
PCB-1242	< 2.42	mg/Kg		6/24/2013 3:57:07 PM
PCB-1248	**13.6**	mg/Kg		6/24/2013 3:57:07 PM
PCB-1254	**14.7**	mg/Kg		6/24/2013 3:57:07 PM
PCB-1260	< 2.42	mg/Kg		6/24/2013 3:57:07 PM
PCB-1262	< 2.42	mg/Kg		6/24/2013 3:57:07 PM
PCB-1268	< 2.42	mg/Kg		6/24/2013 3:57:07 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-09-061813_2
Lab Sample ID: 132240-23
Matrix: Soil

Date Sampled: 6/18/2013 11:08 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.39	mg/Kg		6/24/2013 4:20:12 PM
PCB-1221	< 2.39	mg/Kg		6/24/2013 4:20:12 PM
PCB-1232	< 2.39	mg/Kg		6/24/2013 4:20:12 PM
PCB-1242	< 2.39	mg/Kg		6/24/2013 4:20:12 PM
PCB-1248	**13.5**	mg/Kg		6/24/2013 4:20:12 PM
PCB-1254	**12.4**	mg/Kg		6/24/2013 4:20:12 PM
PCB-1260	< 2.39	mg/Kg		6/24/2013 4:20:12 PM
PCB-1262	< 2.39	mg/Kg		6/24/2013 4:20:12 PM
PCB-1268	< 2.39	mg/Kg		6/24/2013 4:20:12 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-10-061813_6
Lab Sample ID: 132240-24
Matrix: Soil

Date Sampled: 6/18/2013 11:50 AM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.31	mg/Kg		6/24/2013 5:29:08 PM
PCB-1221	< 2.31	mg/Kg		6/24/2013 5:29:08 PM
PCB-1232	< 2.31	mg/Kg		6/24/2013 5:29:08 PM
PCB-1242	< 2.31	mg/Kg		6/24/2013 5:29:08 PM
PCB-1248	**11.3**	mg/Kg		6/24/2013 5:29:08 PM
PCB-1254	**12.2**	mg/Kg		6/24/2013 5:29:08 PM
PCB-1260	< 2.31	mg/Kg		6/24/2013 5:29:08 PM
PCB-1262	< 2.31	mg/Kg		6/24/2013 5:29:08 PM
PCB-1268	< 2.31	mg/Kg		6/24/2013 5:29:08 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-11-061813_17
Lab Sample ID: 132240-25
Matrix: Soil

Date Sampled: 6/18/2013 12:28 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.34	mg/Kg		6/24/2013 5:52:02 PM
PCB-1221	< 2.34	mg/Kg		6/24/2013 5:52:02 PM
PCB-1232	< 2.34	mg/Kg		6/24/2013 5:52:02 PM
PCB-1242	< 2.34	mg/Kg		6/24/2013 5:52:02 PM
PCB-1248	**15.4**	mg/Kg		6/24/2013 5:52:02 PM
PCB-1254	**15.5**	mg/Kg		6/24/2013 5:52:02 PM
PCB-1260	< 2.34	mg/Kg		6/24/2013 5:52:02 PM
PCB-1262	< 2.34	mg/Kg		6/24/2013 5:52:02 PM
PCB-1268	< 2.34	mg/Kg		6/24/2013 5:52:02 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-12-061813_6
Lab Sample ID: 132240-26
Matrix: Soil

Date Sampled: 6/18/2013 2:15 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.39	mg/Kg		6/24/2013 6:15:09 PM
PCB-1221	< 2.39	mg/Kg		6/24/2013 6:15:09 PM
PCB-1232	< 2.39	mg/Kg		6/24/2013 6:15:09 PM
PCB-1242	< 2.39	mg/Kg		6/24/2013 6:15:09 PM
PCB-1248	**16.2**	mg/Kg		6/24/2013 6:15:09 PM
PCB-1254	**13.1**	mg/Kg		6/24/2013 6:15:09 PM
PCB-1260	< 2.39	mg/Kg		6/24/2013 6:15:09 PM
PCB-1262	< 2.39	mg/Kg		6/24/2013 6:15:09 PM
PCB-1268	< 2.39	mg/Kg		6/24/2013 6:15:09 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-13-061813_15
Lab Sample ID: 132240-27
Matrix: Soil

Date Sampled: 6/18/2013 3:45 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.30	mg/Kg		6/24/2013 6:38:22 PM
PCB-1221	< 2.30	mg/Kg		6/24/2013 6:38:22 PM
PCB-1232	< 2.30	mg/Kg		6/24/2013 6:38:22 PM
PCB-1242	< 2.30	mg/Kg		6/24/2013 6:38:22 PM
PCB-1248	**9.72**	mg/Kg		6/24/2013 6:38:22 PM
PCB-1254	**8.04**	mg/Kg		6/24/2013 6:38:22 PM
PCB-1260	< 2.30	mg/Kg		6/24/2013 6:38:22 PM
PCB-1262	< 2.30	mg/Kg		6/24/2013 6:38:22 PM
PCB-1268	< 2.30	mg/Kg		6/24/2013 6:38:22 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Tuesday, June 25, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132240

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: 2-14-061813_6
Lab Sample ID: 132240-28
Matrix: Soil

Date Sampled: 6/18/2013 4:20 PM
Date Received: 6/18/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.33	mg/Kg		6/24/2013 7:01:25 PM
PCB-1221	< 2.33	mg/Kg		6/24/2013 7:01:25 PM
PCB-1232	< 2.33	mg/Kg		6/24/2013 7:01:25 PM
PCB-1242	< 2.33	mg/Kg		6/24/2013 7:01:25 PM
PCB-1248	**9.74**	mg/Kg		6/24/2013 7:01:25 PM
PCB-1254	**8.88**	mg/Kg		6/24/2013 7:01:25 PM
PCB-1260	< 2.33	mg/Kg		6/24/2013 7:01:25 PM
PCB-1262	< 2.33	mg/Kg		6/24/2013 7:01:25 PM
PCB-1268	< 2.33	mg/Kg		6/24/2013 7:01:25 PM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Tuesday, June 25, 2013

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:	80 Steel Street	**Lab Project Number:**	132240
		Lab Sample Number:	Blk 6/19
Client Job Number:	N/A		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	06/20/2013

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.400
Aroclor 1221	< 0.400
Aroclor 1232	< 0.400
Aroclor 1242	< 0.400
Aroclor 1248	< 0.400
Aroclor 1254	< 0.400
Aroclor 1260	< 0.400
Aroclor 1262	< 0.400
Aroclor 1268	< 0.400

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature:

Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Lab Sample Number: LCS 6/19

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/20/2013

SDG# : N/A

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 0.400	2.00	1.46	73.0	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Lab Sample Number: LCS 2 6/19

Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/20/2013

SDG# : N/A

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 0.400	2.00	1.55	77.5	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:	80 Steel Street	**Lab Project Number:**	132240
		Lab Sample Number:	Blk 6/20
Client Job Number:	N/A		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	06/20/2013

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.400
Aroclor 1221	< 0.400
Aroclor 1232	< 0.400
Aroclor 1242	< 0.400
Aroclor 1248	< 0.400
Aroclor 1254	< 0.400
Aroclor 1260	< 0.400
Aroclor 1262	< 0.400
Aroclor 1268	< 0.400

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Lab Sample Number: LCS 6/20
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/20/2013

SDG# : N/A

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 0.400	2.00	1.38	69.0	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM
ENVIRONMENTAL SERVICES, INC
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Field Location: 1-08-061713_06
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Lab Sample Number: 132240-03
Date Sampled: 06/17/2013
Date Received: 06/18/2013
Date Analyzed: 06/20/2013

SDG# : N/A

Spiked Compound	Sample Results in mg / Kg	MS Spiked in mg / Kg	MS Results in mg / Kg	MS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 0.477	2.40	1.19	49.6 *	2.46	1.47	59.8	18.6

ELAP Number 10958

Method: EPA 8082

* = Outside QC limits

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Field Location: 2-09-061813_2
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Lab Sample Number: 132240-03

Date Sampled: 06/18/2013
Date Received: 06/18/2013
Date Analyzed: 06/20/2013

SDG# : N/A

Spiked Compound	Sample Results in mg / Kg	MS Spiked in mg / Kg	MS Results in mg / Kg	MS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 0.478	2.41	1.70	70.5	2.42	2.20	90.9	25.3

ELAP Number 10958

Method: EPA 8082

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Surrogate Recoveries

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Date Sampled: 6/17,18/2013
Date Received: 06/18/2013
Date Analyzed: 6/20,21,24,25/2013

SDG Group: N/A

Lab Sample Number	Field Number	Field Location	Decachlorobiphenyl % Recovery	2,4,5,6-Tetrachloro-m-xylene % Recovery
Blk 6/19	N/A	N/A	77.9	92.4
LCS 619	N/A	N/A	*	92.0
LCS 2 6/19	N/A	N/A	*	92.8
Blk 6/20	N/A	N/A	58.1	82.1
LCS 6/20	N/A	N/A	*	88.6
132240-01	N/A	1-06-061713_06	124	98.7
132240-02	N/A	1-07-061713_06	75.2	73.3
132240-03	N/A	1-08-061713_06	111	116
132240-03 MS	N/A	1-08-061713_06	*	67.8
132240-03 MSD	N/A	1-08-061713_06	*	71.4
132240-04	N/A	1-09-061713_06	117	103
132240-05	N/A	1-10-061713_17	132	110
132240-06	N/A	1-12-061713_18	125	97.6
132240-07	N/A	1-11-061713_15	105	94.1
132240-08	N/A	1-13-061713_15	112	98.5
132240-09	N/A	1-14-061713_16	127	99.3
132240-10	N/A	1-15-061813_04	79.2	72.0
132240-11	N/A	1-16-061813_3	72.2	67.7
132240-12	N/A	1-17-061813_5	110	121
132240-13	N/A	1-18-061813_6	111	120
132240-14	N/A	1-19-061813_4	100	109
132240-15	N/A	1-20-061813_2	109	106
132240-16	N/A	1-21-061813_1	86.6	103
132240-17	N/A	1-22-061813_1	100	109
132240-18	N/A	1-23-061813_2	140	103
132240-19	N/A	1-24-061813_5	97.4	104

ELAP Number 10958

Method: EPA 8082

* = Recovery not able to be calculated due to interference from spiking standard.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Surrogate Recoveries

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Sample Type: Soil

Lab Project Number: 132240
Date Sampled: 6/17,18/2013
Date Received: 06/18/2013
Date Analyzed: 6/20,21,24,25/2013

SDG Group: N/A

Lab Sample Number	Field Number	Field Location	Decachlorobiphenyl % Recovery	2,4,5,6-Tetrachloro-m-xylene % Recovery
132240-20	N/A	2-06-061813_3	107	102
132240-21	N/A	2-07-601813_6	102	104
132240-22	N/A	2-08-061813_6	110	105
132240-23	N/A	2-09-061813_2	105	106
132240-23 MS	N/A	2-09-061813_2	*	87.6
132240-23 MSD	N/A	2-09-061813_2	*	91.3
132240-24	N/A	2-10-061813_6	132	104
132240-25	N/A	2-11-061813_17	98.2	99.7
132240-26	N/A	2-12-061813_6	108	106
132240-27	N/A	2-13-061813_15	107	106
132240-28	N/A	2-14-061813_6	124	95.0

ELAP Number 10958

Method: EPA 8082

* = Recovery not able to be calculated due to interference from spiking standard.

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis QC Limits

Limits effective: Apr 01,2013
Through: Jun 30,2013

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
PCB	55.8	148	N/A	65.1	26.1	113	N/A	56.9

Surrogate	Soil Surrogate Limits				Water Surrogate Limits			
	Lower %	Upper %			Lower %	Upper %		
TCmX	50.8	139			-9.32	92.8		
DCBP	56.0	146			33.2	126		

ELAP Number 10958

Method: EPA 8082

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

Analytical Report Appendix

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

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

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

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

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

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"C" = Concentration differs by more than 40% between the primary and secondary analytical columns.

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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132240
ADDRESS:	400 Andrews St Suite 710	ADDRESS:		Quotation #: MS031313A (revised 5/23/13)
CITY:	Rochester STATE: NY ZIP: 14604	CITY:	STATE: ZIP:	
PHONE:	585-295-7709	PHONE:		Email: Kevin.Ignaszak@obg.com
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE
50162
80 Steel St.

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

REQUESTED ANALYSIS

(per quote) EAHG/18

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Total PCBs 8270	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/17/13	08:50	X		1-06-061713_06	SO	1	X		01
2	6/17/13	10:05	X		1-07-061713_06	SO	1	X		02
3	6/17/13	11:40	X		1-08-061713_06	SO	1	X		03
4	6/17/13	14:05	X		1-09-061713-06	SO	1	X		04
5	6/17/13	14:58	X		1-10-061713-17	SO	1	X		05
6	6/17/13	15:51	X		1-12-061713-18	SO	1	X		06
7	6/17/13	1525	X		1-11-061713_15	SO	1	X		07
8	6/17/13	1615	X		1-13-061713_15	SO	1	X		08
9	6/17/13	1650	X		1-14-061713_16	SO	1	X		09
10	6/18/13	745	X		1-15-061813-04	SO	1	X		10

9°C iced

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	X	Batch QC	X	Basic EDD X
Rush 3 day		Category A		NYSDEC EDD
Rush 2 day		Category B		
Rush 1 day				
Other please indicate:		Other please indicate:		Other EDD please indicate:

Sampled By: Joegan Reid	6/18/13 1630	Date/Time
Relinquished By: Joegan Reid	6/18/13 1630	Date/Time
Received By: Jane Doe	6/18/13 1630	Date/Time
Received @ Lab By: Elizabeth A Honch	6/18/13 1710	Date/Time

Total Cost:

P.I.F.

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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132240
ADDRESS:	400 Andrews St Suite 710	ADDRESS:		Quotation #:
CITY:	Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:		
PHONE:	585-295-7709	PHONE:		Email: Kevin.Ignaszak@obg.com
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE
50162

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

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	TCL / PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/18/13	800	X		1-16-061813_3	SO	1	X		11
2	6/18/13	824	X		1-17-061813_5	SO	1	X		12
3	6/18/13	0840	X		1-18-061813_6	SO	1	X		13
4	6/18/13	0853	X		1-19-061813_4	SO	1	X		14
5	6/18/13	0904	X		1-20-061813_2	SO	1	X		15
6	6/18/13	0910	X		1-21-061813_1	SO	1	X		16
7	6/18/13	0920	X		1-22-061813_1	SO	1	X		17
8	6/18/13	0928	X		1-23-061813_2	SO	1	X		18
9	6/18/13	0942	X		1-24-061813_5	SO	1	X		19
10	6/18/13	1018	X		2-06-061813_3	SO	1	X		20

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	X	Batch QC	X	Basic EDD X
Rush 3 day		Category A		NYSDEC EDD
Rush 2 day		Category B		
Rush 1 day				
Other please indicate:		Other please indicate:		Other EDD please indicate:

Sampled By: Logan Reid	6/18/13 1630 Date/Time	Total Cost:
Relinquished By: Logan Reid	6/18/13 1630 Date/Time	
Received By: Aimee Jacobs	6/18/13 1630 Date/Time	P.I.F.
Received @ Lab By: Elizabeth A. Honda	6/18/13 1710 Date/Time	

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

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132240
ADDRESS:	400 Andrews St Suite 710	ADDRESS:		Quotation #:
CITY:	Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:		
PHONE:	585-295-7709	PHONE:		Email: Kevin.IgnaszakK@obg.com
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE
50162

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

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Total PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/18/13	1036	X		2-07-061813_6	SO	1	X		21
2	6/18/13	1053	X		2-08-061813_6	SO	1	X		22
3	6/18/13	1108	X		2-09-061813_2	SO	1	X		23
4	6/18/13	1150	X		2-10-061813_6	SO	1	X		24
5	6/18/13	1228	X		2-11-061813_17	SO	1	X		25
6	6/18/13	1415	X		2-12-061813_6	SO	1	X		26
7	6/19/13	1345	X		2-13-061813_15	SO	1	X		27
8	6/18/13	1620	X		2-14-061813_6	SO	1	X		28
9										
10										

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC	X	Basic EDD	X
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By: Jaycan Reid	6/18/13 1630 Date/Time	Total Cost:
Relinquished By: Jaycan Reid	6/18/13 1630 Date/Time	
Received By: Jenny Astoria	6/18/13 1630 Date/Time	P.I.F.
Received @ Lab By: Elizabeth A. Hanch	6/18/13 1710 Date/Time	

Chain of Custody Supplement

Client: OBG **Completed by:** EAH

Lab Project ID: 132240 **Date:** 6/18/13

Sample Condition Requirements

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

Condition	NELAC compliance with the sample condition requirements upon receipt Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X For #10-28	X #1-10 (Sampled 6/17)	
Comments	9°C iced - pres. begun in field		
Sufficient Sample Quantity	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

O'Brien & Gere Engineers, Inc.

For Lab Project ID

132261

Referencing

50162, 80 Steel Street

Prepared

Friday, July 05, 2013

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

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

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

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 2-15-061813_18
Lab Sample ID: 132261-01
Matrix: Soil

Date Sampled: 6/18/2013 5:10 PM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.40	mg/Kg		6/25/2013 9:26:57 PM
PCB-1221	< 2.40	mg/Kg		6/25/2013 9:26:57 PM
PCB-1232	< 2.40	mg/Kg		6/25/2013 9:26:57 PM
PCB-1242	< 2.40	mg/Kg		6/25/2013 9:26:57 PM
PCB-1248	**14.7**	mg/Kg		6/25/2013 9:26:57 PM
PCB-1254	**11.9**	mg/Kg		6/25/2013 9:26:57 PM
PCB-1260	< 2.40	mg/Kg		6/25/2013 9:26:57 PM
PCB-1262	< 2.40	mg/Kg		6/25/2013 9:26:57 PM
PCB-1268	< 2.40	mg/Kg		6/25/2013 9:26:57 PM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 2-16-061913_3
Lab Sample ID: 132261-02
Matrix: Soil

Date Sampled: 6/19/2013 8:10 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 0.471	mg/Kg		6/25/2013 8:27:37 AM
PCB-1221	< 0.471	mg/Kg		6/25/2013 8:27:37 AM
PCB-1232	< 0.471	mg/Kg		6/25/2013 8:27:37 AM
PCB-1242	< 0.471	mg/Kg		6/25/2013 8:27:37 AM
PCB-1248	**6.98**	mg/Kg		6/25/2013 8:27:37 AM
PCB-1254	**8.59**	mg/Kg		6/25/2013 8:27:37 AM
PCB-1260	< 0.471	mg/Kg		6/25/2013 8:27:37 AM
PCB-1262	< 0.471	mg/Kg		6/25/2013 8:27:37 AM
PCB-1268	< 0.471	mg/Kg		6/25/2013 8:27:37 AM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-06-061913_2
Lab Sample ID: 132261-03
Matrix: Soil

Date Sampled: 6/19/2013 8:27 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.31	mg/Kg		6/25/2013 8:50:44 AM
PCB-1221	< 2.31	mg/Kg		6/25/2013 8:50:44 AM
PCB-1232	< 2.31	mg/Kg		6/25/2013 8:50:44 AM
PCB-1242	< 2.31	mg/Kg		6/25/2013 8:50:44 AM
PCB-1248	**5.81**	mg/Kg		6/25/2013 8:50:44 AM
PCB-1254	**6.11**	mg/Kg		6/25/2013 8:50:44 AM
PCB-1260	< 2.31	mg/Kg		6/25/2013 8:50:44 AM
PCB-1262	< 2.31	mg/Kg		6/25/2013 8:50:44 AM
PCB-1268	< 2.31	mg/Kg		6/25/2013 8:50:44 AM

Surrogate outliers indicate probable matrix interference.

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-07-061913_2
Lab Sample ID: 132261-04
Matrix: Soil

Date Sampled: 6/19/2013 8:53 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.37	mg/Kg		6/25/2013 9:36:52 AM
PCB-1221	< 2.37	mg/Kg		6/25/2013 9:36:52 AM
PCB-1232	< 2.37	mg/Kg		6/25/2013 9:36:52 AM
PCB-1242	< 2.37	mg/Kg		6/25/2013 9:36:52 AM
PCB-1248	**11.1**	mg/Kg		6/25/2013 9:36:52 AM
PCB-1254	**13.7**	mg/Kg		6/25/2013 9:36:52 AM
PCB-1260	< 2.37	mg/Kg		6/25/2013 9:36:52 AM
PCB-1262	< 2.37	mg/Kg		6/25/2013 9:36:52 AM
PCB-1268	< 2.37	mg/Kg		6/25/2013 9:36:52 AM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-08-061913_1
Lab Sample ID: 132261-05
Matrix: Soil

Date Sampled: 6/19/2013 9:02 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.38	mg/Kg		6/25/2013 9:59:51 AM
PCB-1221	< 2.38	mg/Kg		6/25/2013 9:59:51 AM
PCB-1232	< 2.38	mg/Kg		6/25/2013 9:59:51 AM
PCB-1242	< 2.38	mg/Kg		6/25/2013 9:59:51 AM
PCB-1248	**5.30**	mg/Kg		6/25/2013 9:59:51 AM
PCB-1254	**6.87**	mg/Kg		6/25/2013 9:59:51 AM
PCB-1260	< 2.38	mg/Kg		6/25/2013 9:59:51 AM
PCB-1262	< 2.38	mg/Kg		6/25/2013 9:59:51 AM
PCB-1268	< 2.38	mg/Kg		6/25/2013 9:59:51 AM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-09-061913_1
Lab Sample ID: 132261-06
Matrix: Soil

Date Sampled: 6/19/2013 9:10 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.36	mg/Kg		6/25/2013 7:09:07 PM
PCB-1221	< 2.36	mg/Kg		6/25/2013 7:09:07 PM
PCB-1232	< 2.36	mg/Kg		6/25/2013 7:09:07 PM
PCB-1242	< 2.36	mg/Kg		6/25/2013 7:09:07 PM
PCB-1248	**10.3**	mg/Kg		6/25/2013 7:09:07 PM
PCB-1254	**12.0**	mg/Kg		6/25/2013 7:09:07 PM
PCB-1260	< 2.36	mg/Kg		6/25/2013 7:09:07 PM
PCB-1262	< 2.36	mg/Kg		6/25/2013 7:09:07 PM
PCB-1268	< 2.36	mg/Kg		6/25/2013 7:09:07 PM

Surrogate outliers indicate probable matrix interference
Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-10-061913_3
Lab Sample ID: 132261-07
Matrix: Soil

Date Sampled: 6/19/2013 9:18 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.44	mg/Kg		6/25/2013 7:32:00 PM
PCB-1221	< 2.44	mg/Kg		6/25/2013 7:32:00 PM
PCB-1232	< 2.44	mg/Kg		6/25/2013 7:32:00 PM
PCB-1242	< 2.44	mg/Kg		6/25/2013 7:32:00 PM
PCB-1248	**6.81**	mg/Kg		6/25/2013 7:32:00 PM
PCB-1254	**7.07**	mg/Kg		6/25/2013 7:32:00 PM
PCB-1260	< 2.44	mg/Kg		6/25/2013 7:32:00 PM
PCB-1262	< 2.44	mg/Kg		6/25/2013 7:32:00 PM
PCB-1268	< 2.44	mg/Kg		6/25/2013 7:32:00 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-11-061913_1
Lab Sample ID: 132261-08
Matrix: Soil

Date Sampled: 6/19/2013 9:25 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.30	mg/Kg		6/25/2013 7:55:08 PM
PCB-1221	< 2.30	mg/Kg		6/25/2013 7:55:08 PM
PCB-1232	< 2.30	mg/Kg		6/25/2013 7:55:08 PM
PCB-1242	< 2.30	mg/Kg		6/25/2013 7:55:08 PM
PCB-1248	**6.99**	mg/Kg		6/25/2013 7:55:08 PM
PCB-1254	**7.02**	mg/Kg		6/25/2013 7:55:08 PM
PCB-1260	< 2.30	mg/Kg		6/25/2013 7:55:08 PM
PCB-1262	< 2.30	mg/Kg		6/25/2013 7:55:08 PM
PCB-1268	< 2.30	mg/Kg		6/25/2013 7:55:08 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-12-061913_2
Lab Sample ID: 132261-09
Matrix: Soil

Date Sampled: 6/19/2013 9:35 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.29	mg/Kg		6/25/2013 8:18:02 PM
PCB-1221	< 2.29	mg/Kg		6/25/2013 8:18:02 PM
PCB-1232	< 2.29	mg/Kg		6/25/2013 8:18:02 PM
PCB-1242	< 2.29	mg/Kg		6/25/2013 8:18:02 PM
PCB-1248	**10.0**	mg/Kg		6/25/2013 8:18:02 PM
PCB-1254	**11.3**	mg/Kg		6/25/2013 8:18:02 PM
PCB-1260	< 2.29	mg/Kg		6/25/2013 8:18:02 PM
PCB-1262	< 2.29	mg/Kg		6/25/2013 8:18:02 PM
PCB-1268	< 2.29	mg/Kg		6/25/2013 8:18:02 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-13-061913_3
Lab Sample ID: 132261-10
Matrix: Soil

Date Sampled: 6/19/2013 9:48 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.36	mg/Kg		6/25/2013 8:40:58 PM
PCB-1221	< 2.36	mg/Kg		6/25/2013 8:40:58 PM
PCB-1232	< 2.36	mg/Kg		6/25/2013 8:40:58 PM
PCB-1242	< 2.36	mg/Kg		6/25/2013 8:40:58 PM
PCB-1248	**7.85**	mg/Kg		6/25/2013 8:40:58 PM
PCB-1254	**10.4**	mg/Kg		6/25/2013 8:40:58 PM
PCB-1260	< 2.36	mg/Kg		6/25/2013 8:40:58 PM
PCB-1262	< 2.36	mg/Kg		6/25/2013 8:40:58 PM
PCB-1268	< 2.36	mg/Kg		6/25/2013 8:40:58 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Wednesday, June 26, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132261

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 50162, 80 Steel Street

Sample Identifier: 3-14-061913_2
Lab Sample ID: 132261-11
Matrix: Soil

Date Sampled: 6/19/2013 9:56 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 2.29	mg/Kg		6/25/2013 9:03:53 PM
PCB-1221	< 2.29	mg/Kg		6/25/2013 9:03:53 PM
PCB-1232	< 2.29	mg/Kg		6/25/2013 9:03:53 PM
PCB-1242	< 2.29	mg/Kg		6/25/2013 9:03:53 PM
PCB-1248	**4.29**	mg/Kg		6/25/2013 9:03:53 PM
PCB-1254	**5.50**	mg/Kg		6/25/2013 9:03:53 PM
PCB-1260	< 2.29	mg/Kg		6/25/2013 9:03:53 PM
PCB-1262	< 2.29	mg/Kg		6/25/2013 9:03:53 PM
PCB-1268	< 2.29	mg/Kg		6/25/2013 9:03:53 PM

Method Reference(s): EPA 8082A
EPA 3550C

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Report Prepared Wednesday, June 26, 2013

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:	80 Steel Street	**Lab Project Number:**	132261
		Lab Sample Number:	Blk 6/21
Client Job Number:	50162		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Soil	**Date Analyzed:**	06/25/2013

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.400
Aroclor 1221	< 0.400
Aroclor 1232	< 0.400
Aroclor 1242	< 0.400
Aroclor 1248	< 0.400
Aroclor 1254	< 0.400
Aroclor 1260	< 0.400
Aroclor 1262	< 0.400
Aroclor 1268	< 0.400

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: 50162
Field Location: N/A
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 132261
Lab Sample Number: LCS 6/21
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/25/2013

SDG# : N/A

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 0.400	2.00	1.75	87.5	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Surrogate Recoveries

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: 50162
Sample Type: Soil

Lab Project Number: 132261
Date Sampled: 6/18,19/2013
Date Received: 06/19/2013
Date Analyzed: 06/25/2013

SDG Group: N/A

Lab Sample Number	Field Number	Field Location	2,4,5,6-Tetrachloro-m-xylene % Recovery	Decachlorobiphenyl % Recovery
Blk 6/21	N/A	N/A	83.1	76.2
LCS 6/21	N/A	N/A	87.5	**
132261-01	N/A	2-15-061813_18	93.6	94.6
132261-02	N/A	2-16-061913_3	86.4	69.2
132261-03	N/A	3-06-061913_2	99.4	154 *
132261-04	N/A	3-07-061913_2	96.0	97.6
132261-05	N/A	3-08-061913_1	106	101
132261-06	N/A	3-09-061913_1	95.3	184 *
132261-07	N/A	3-10-061913_3	97.4	91.5
132261-08	N/A	3-11-061913_1	101	103
132261-09	N/A	3-12-061913_2	99.7	98.9
132261-10	N/A	3-13-061913_3	90.9	106
132261-11	N/A	3-14-061913_2	100	92.4

ELAP Number 10958

Method: EPA 8082

* = Outside QC limits

** = Unable to calculate % Recovery due to interference from spiking standard.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis QC Limits

Limits effective: Apr 01,2013
Through: Jun 30,2013

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
PCB	55.8	148	N/A	65.1	26.1	113	N/A	56.9
Surrogate	**Soil Surrogate Limits**				**Water Surrogate Limits**			
	Lower %	Upper %			Lower %	Upper %		
TCmX	50.8	139			-9.32	92.8		
DCBP	56.0	146			33.2	126		

ELAP Number 10958

Method: EPA 8082

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

Analytical Report Appendix

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

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

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

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

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

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

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.

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

PARADIGM

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132261
ADDRESS:	400 Andrews St Suite 710	ADDRESS:		Quotation #: MS 031313A (Rev 5 2313)
CITY:	Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:		Email: Kevin.Ignaszak@obg.com
PHONE:	585-295-7709	PHONE:		
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE
50162
80 Steel Street
per Quote mx 6/19/13

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

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Total Pb's 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/18/13	1710	X		2-15-061813_18	SO	1	X		01
2	6/19/13	0810	X		2-16-061913_3	SO	1	X		02
3	6/19/13	0827	X		3-06-061913_2	SO	1	X		03
4	6/19/13	0853	X		3-07-061913_2	SO	1	X		04
5	6/19/13	0902	X		3-08-061913_1	SO	1	X		05
6	6/19/13	0910	X		3-09-061913_1	SO	1	X		06
7	6/19/13	0918	X		3-10-061913_3	SO	1	X		07
8	6/19/13	0925	X		3-11-061913_1	SO	1	X		08
9	6/19/13	0935	X		3-12-061913_2	SO	1	X		09
10	6/19/13	0948	X		3-13-061913_3	SO	1	X	2°Iced	10

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	X	Batch QC	X	Basic EDD X
Rush 3 day		Category A		NYSDEC EDD
Rush 2 day		Category B		
Rush 1 day				
Other please indicate:		Other please indicate:		Other EDD please indicate:

Sampled By	Logan Reid	6/19/13 Date/Time	1345
Relinquished By		6/19/13 Date/Time	1345
Received By		6/19/13 Date/Time	1345
Received @ Lab By		6/19/13 Date/Time	1552

Total Cost:

P.I.F.

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

PARADIGM

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132261
ADDRESS:	100 Andrews St Suite 710	ADDRESS:		Quotation #:
CITY:	Rochester STATE: NY ZIP: 14604	CITY:	STATE: ZIP:	
PHONE:	585-295-7704	PHONE:		Email: Kevin.Ignaszak@obg.com
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE
50162
80 Steel Street

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

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Tot. PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/19/13	0956	X		3-14-061913_2	SO	1	X		11
2										
3										
4										
5										
6										
7										
8										
9										
10										

2°C iced

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	X	Batch QC	X	Basic EDD	X
Rush 3 day		Category A		NYSDEC EDD	
Rush 2 day		Category B			
Rush 1 day					
Other please indicate:		Other please indicate:		Other EDD please indicate:	

Sampled By: Logan Reid	6/19/13 Date/Time	1345
Relinquished By: Logan Reid	6/19/13 Date/Time	1345
Received By:	6/19/13 Date/Time	1345
Received @ Lab By:	6/19/13 Date/Time	1552

Total Cost:

P.I.F.

Chain of Custody Supplement

Client: O'Brien & Gere **Completed by:** Mail

Lab Project ID: 132261 **Date:** 6/19/13

Sample Condition Requirements

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

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		
Comments	2°C iced		
Sufficient Sample Quantity	X		
Comments			

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For

O'Brien & Gere Engineers, Inc.

For Lab Project ID

132248

Referencing

80 Steel Street

Prepared

Thursday, June 27, 2013

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

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

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

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

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132248

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: Frontend Loader Wipe
Lab Sample ID: 132248-01
Matrix: Wipe

Date Sampled: 6/19/2013 11:00 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 1.00	ug/wipe		6/20/2013 3:24:23 AM
PCB-1221	< 1.00	ug/wipe		6/20/2013 3:24:23 AM
PCB-1232	< 1.00	ug/wipe		6/20/2013 3:24:23 AM
PCB-1242	< 1.00	ug/wipe		6/20/2013 3:24:23 AM
PCB-1248	**1.11**	ug/wipe		6/20/2013 3:24:23 AM
PCB-1254	**1.05**	ug/wipe		6/20/2013 3:24:23 AM
PCB-1260	< 1.00	ug/wipe		6/20/2013 3:24:23 AM
PCB-1262	< 1.00	ug/wipe		6/20/2013 3:24:23 AM
PCB-1268	< 1.00	ug/wipe		6/20/2013 3:24:23 AM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Thursday, June 20, 2013

PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 132248

Client: O'Brien & Gere Engineers, Inc.

Project Reference: 80 Steel Street

Sample Identifier: Grapple Wipe
Lab Sample ID: 132248-02
Matrix: Wipe

Date Sampled: 6/19/2013 11:57 AM
Date Received: 6/19/2013

PCBs

Analyte	Result	Units	Qualifier	Date/Time Analyzed
PCB-1016	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1221	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1232	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1242	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1248	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1254	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1260	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1262	< 1.00	ug/wipe		6/20/2013 3:47:26 AM
PCB-1268	< 1.00	ug/wipe		6/20/2013 3:47:26 AM

Method Reference(s): EPA 8082A
EPA 3550C

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

Report Prepared Thursday, June 20, 2013

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

PARADIGM

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132248
ADDRESS:	100 Andrews St Suite 710	ADDRESS:		Quotation #: MS031313A (rev 5 3/13)
CITY:	Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:		
PHONE:	585-295-7709	PHONE:		Email: Kevin.Ignaszak@obg.com
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE

80 Steel Street
per Quote MW 6/19/13

Matrix Codes:

AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	Total PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/19/13	1100		X	Frontend Loader Wipe	WP	1	X	Call Kevin Ignaszak as soon as results are rec. call cell #. Also 585-752-6611 Call Aaron Weiner @ 585-303-0873	01
2	6/19/13	1157		X	Grapple Wipe	WP	1	X		02
3										
4										
5										
6										
7										
8										
9										
10									2°Iced	

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	☐	Batch QC	☒	Basic EDD ☒
Rush 3 day	☐	Category A	☐	NYSDEC EDD ☐
Rush 2 day	☐	Category B	☐	
Rush 1 day	☒			
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate: ☐

		Date/Time
Sampled By	[signature]	6/19/13 1345
Relinquished By	[signature]	6/19/13 1345
Received By	[signature]	6/19/13 1345
Received @ Lab By	[signature]	6/19/13 1405

Total Cost:

P.I.F.

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Wipes

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:	80 Steel Street	**Lab Project Number:**	132248
		Lab Sample Number:	Blk 6/19
Client Job Number:	N/A		
Field Location:	N/A	**Date Sampled:**	N/A
Field ID Number:	N/A	**Date Received:**	N/A
Sample Type:	Wipe	**Date Analyzed:**	06/20/2013

PCB Identification	Results in ug / Wipe
Aroclor 1016	< 1.00
Aroclor 1221	< 1.00
Aroclor 1232	< 1.00
Aroclor 1242	< 1.00
Aroclor 1248	< 1.00
Aroclor 1254	< 1.00
Aroclor 1260	< 1.00
Aroclor 1262	< 1.00
Aroclor 1268	< 1.00

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: ug / Wipe = microgram per Wipe

Signature: _____
Bruce Hoogesteger: Technical Director

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Field Location: N/A
Field ID Number: N/A
Sample Type: Wipe

Lab Project Number: 132248
Lab Sample Number: LCS 6/19
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06/20/2013

SDG# : N/A

Spiked Compound	Blank Results in mg / Kg	LCS Spiked in mg / Kg	LCS Results in mg / Kg	LCS Percent Recovery	MSD Spiked in mg / Kg	MSD Results in mg / Kg	MSD Percent Recovery	MS / MSD % RPD
Aroclor 1268	< 1.00	5.00	2.89	57.8	N/A	N/A	N/A	N/A

ELAP Number 10958

Method: EPA 8082

PARADIGM
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis Report for Surrogate Recoveries

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street
Client Job Number: N/A
Sample Type: Wipe

Lab Project Number: 132248
Date Sampled: 06/19/2013
Date Received: 06/19/2013
Date Analyzed: 06/20/2013

SDG Group: N/A

Lab Sample Number	Field Number	Field Location	Decachlorobiphenyl % Recovery	2,4,5,6-Tetrachloro-m-xylene % Recovery
Blk 6/19	N/A	N/A	113	101
LCS 6/19	N/A	N/A	*	105
132248-01	N/A	Frontend Leader Wipe	90.5	84.6
132248-02	N/A	Grapple Wipe	106	95.9

ELAP Number 10958

Method: EPA 8082

* = Unable to calculate recovery due to interference from spiking standard.

PARADIGM
ENVIRONMENTAL SERVICES, INC.
179 Lake Avenue Rochester, New York 14608 (585) 647 - 2530 FAX (585) 647 - 3311

PCB Analysis QC Limits

Limits effective: Apr 01,2013
Through: Jun 30,2013

Spiked Compound	Soil Spike Limits		Soil % RPD Limits		Water Spike Limits		Water % RPD Limits	
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
PCB	55.8	148	N/A	65.1	26.1	113	N/A	56.9
Surrogate	**Soil Surrogate Limits**				**Water Surrogate Limits**			
	Lower %	Upper %			Lower %	Upper %		
TCmX	50.8	139			-9.32	92.8		
DCBP	56.0	146			33.2	126		

ELAP Number 10958

Method: EPA 8082

Note: When the lower acceptance limit is calculated to be below 10% recovery, a warning limit of 10% is established. Recoveries between the lower acceptance limit and the warning limit will be investigated, but will not invalidate the batch.

Analytical Report Appendix

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

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

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

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

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

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"C" = Concentration differs by more than 40% between the primary and secondary analytical columns.

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

CHAIN OF CUSTODY

PARADIGM

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT:	O'Brien & Gere	CLIENT:	Same As Report	132248
ADDRESS:	100 Andrews St Suite 710	ADDRESS:		
CITY:	Rochester STATE: NY ZIP: 14604	CITY: STATE: ZIP:		Quotation #: MS031313A (rev 5?-3)
PHONE:	585-295-7709	PHONE:		Email: Kevin.Ignaszak@obg.com
ATTN:	Kevin Ignaszak	ATTN:		

PROJECT REFERENCE

80 Steel Street
per Quote MW 6/19/13

Matrix Codes:

AQ - Aqueous Liquid; NQ - Non-Aqueous Liquid; WA - Water; WG - Groundwater; DW - Drinking Water; WW - Wastewater; SO - Soil; SL - Sludge; SD - Solid; PT - Paint; WP - Wipe; CK - Caulk; OL - Oil; AR - Air

REQUESTED ANALYSIS

	DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	1046 / PCBs 8082	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	6/19/13	1100		X	Frontend Loader Wipe	WP	1	X	Call Kevin Ignaszak as soon as results are in. call cell #. Also 585-752-6611	01
2	6/19/13	1157		X	Grapple Wipe	WP	1	X	Call Aaron Weiner @ 585-303-6873	02
3										
4										
5										
6										
7										
8										
9										
10									2°C iced	

Turnaround Time		Report Supplements		
Availability contingent upon lab approval; additional fees may apply.				
Standard 5 day	☐	Batch QC	☒	Basic EDD ☒
Rush 3 day	☐	Category A	☐	NYSDEC EDD ☐
Rush 2 day	☐	Category B	☐	
Rush 1 day	☒			
Other please indicate:	☐	Other please indicate:	☐	Other EDD please indicate: ☐

Sampled By	6/19/13 1345 Date/Time	Total Cost:
Relinquished By	6/19/13 1345 Date/Time	
Received By	6/19/13 1345 Date/Time	P.I.F.
Received @ Lab By	6/19/13 1405 Date/Time	

2 of 2

PARADIGM

Chain of Custody Supplement

Client: O'Brien + Gere

Lab Project ID: 132248

Completed by: MWall

Date: 6/19/13

Sample Condition Requirements

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

Condition	*NELAC compliance with the sample condition requirements upon receipt* Yes	No	N/A
Container Type	X		
Comments			
Transferred to method-compliant container			X
Headspace (<1 mL)			X
Comments			
Preservation			X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X 2° Iced		
Comments			
Sufficient Sample Quantity	X		
Comments			