REPORT

Debris Pile Characterization 80 Steel Street Rochester, New York

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

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LIST OF ACRONYMS/ABBREVIATIONS

ASTM American Society for Testing and Materials

below ground surface bgs **Code of Federal Regulations CFR**

CYCubic yards

DOT **Department of Transportation**

Environmental Laboratory Accreditation Program ELAP

foot or feet ft

Job Safety Analysis JSA

Global Positioning System GPS Health and Safety Plan **HASP** investigation-derived waste **IDW** milligram per kilogram mg/kg milligrams per liter mg/L

New York State NYS

NYSDEC New York State Department of Environmental Conservation

New York State Department of Health NYSDOH

OSHA Occupational Safety and Health Administration

New York State Codes, Rules and Regulations; Title 6, Chapter IV, Subpart 376 Part 376

PCB polychlorinated biphenyl photoionization detector PID

parts per million ppm

PPE personal protective equipment Quality Assurance/Quality Control QA/QC 80 Steel Street, Rochester, New York Site **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 precleaned 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 ($\leq 10~\mu g/100~cm^2$) 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</p>
- 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.



DEBRIS PILE CHARACTERIZATION REPORT

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.



DEBRIS PILE CHARACTERIZATION REPORT
Tables

	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						
	Polychlorinated Biphenyl A	roclors (Metho	od 8082A and 3550C)								
	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
CBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.36	< 0.466	< 2.39	< 2.33	< 2.31	< 2.40	< 2.31
<u>~</u>	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						
	Polychlorinated Biphenyl A	roclors (Metho	od 8082A and 3550C)								
	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
10	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
CBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.41	< 2.38	< 0.454	< 0.472	< 2.41	< 2.31	< 2.36
<u> </u>	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						
	Polychlorinated Biphenyl A	roclors (Metho	od 8082A and 3550C)								
	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
v	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	<2.33	< 2.37	< 2.33	< 2.35	< 2.37	< 2.38	< 2.33
CBs	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_
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 A	roclors (Metho	d 8082A and 3550C)								
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
Date Sampled				6/18/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013
Matrix				Soil	Soil	Soil	Soil	Soil	Soil	Soil
Polychlorinated Biphenyl A	roclors (Metho	d 8082A and 3550C)								
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

< 0.471

< 0.471

< 0.471

< 2.31

< 2.31

< 2.31

< 2.37

< 2.37

< 2.37

< 2.38

< 2.38

< 2.38

12.17

< 2.36

< 2.36

< 2.36

22.30

	TOTAL PCB's	NA	48	mg/kg	26.60	15.57	11.92	24.80
	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 A	roclors (Metho	od 8082A and 3550C)					
	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
v	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
PCBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.30	< 2.29	< 2.36	< 2.29
<u> </u>	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

mg/kg

mg/kg

mg/kg

< 2.40

< 2.40

< 2.40

48*

48*

48*

< 2.44

< 2.44

< 2.44

13.88

Aroclor-1260 (PCB-1260) 11096-82-5

Aroclor-1262 (PCB-1262) 37324-23-5

Aroclor-1268 (PCB-1268) 11100-14-4

	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 A	roclors (Metho	od 8082A and 3550C)						
	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
v	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.31	< 4.60	< 4.85	< 2.28	< 2.21
PCBs	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
				A -4: 11					

Sample Id	dentification	Cas No.	Landfill Threshold	Action Level Unit	Quadrant 2-1	Quadrant 2-2	Quadrant 2-3	Quadrant 2-4	Quadrant 2-5
Date Sampl	ed				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
Matrix					Soil	Soil	Soil	Soil	Soil
Polychlorin	ated Biphenyl A	Aroclors (Metho	od 8082A and 3550C)						
Aroclor-10)16 (PCB-1016)	12674-11-2	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
Aroclor-12	21 (PCB-1221)	11104-28-2	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
Aroclor-12	232 (PCB-1232)	11141-16-5	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
Aroclor-12	.42 (PCB-1242)	53469-21-9	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
Aroclor-12	48 (PCB-1248)	12672-29-6	48*	mg/kg	5.87	6.47	6.83	6.19	4.37
Aroclor-12	254 (PCB-1254)	11097-69-1	48*	mg/kg	7.36	9.85	9.78	8.01	8.93
Aroclor-12	260 (PCB-1260)	11096-82-5	48*	mg/kg	< 2.31	< 2.25	< 2.20	< 2.21	< 2.24
TOT	AL PCB's	NA	48	mg/kg	13.23	16.32	16.61	14.20	13.30

					Roch	,	K 14000		
	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		100000		Soil	Soil	Soil	Soil	Soil
	Polychlorinated Biphenyl A	, 	<u> </u>	1 6					1
	Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 0.466	84.6	< 0.460	< 0.455	< 0.497
	Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 0.466	< 9.38	< 0.460	< 0.455	< 0.497
SS	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
	Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	2.47	< 9.38	3.61	2.88	< 0.497
	Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	2.93	< 9.38	4.02	3.30	2.37
	Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 0.466	< 9.38	< 0.460	< 0.455	2.47
	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
		Cas No.	Landfill Threshold			, in the second			
	Sample Identification Date Sampled Matrix	Cas No.	Landfill Threshold		Quadrant 4-1 11/19/2012 Soil	Quadrant 4-2 11/19/2012 Soil	Quadrant 4-3 11/19/2012 Soil	Quadrant 4-4 11/19/2012 Soil	Quadrant 4-5 11/19/2012 Soil
	Date Sampled				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Date Sampled Matrix				11/19/2012	11/19/2012	11/19/2012	11/19/2012	11/19/2012
	Date Sampled Matrix Polychlorinated Biphenyl A	Aroclors (Metho	nd 8082A and 3550C)	Unit	11/19/2012 Soil	11/19/2012 Soil	11/19/2012 Soil	11/19/2012 Soil	11/19/2012 Soil
S	Date Sampled Matrix Polychlorinated Biphenyl Aroclor-1016 (PCB-1016)	Aroclors (Metho	od 8082A and 3550C) 48*	Unit mg/kg	11/19/2012 Soil	11/19/2012 Soil < 0.458	11/19/2012 Soil < 0.451	11/19/2012 Soil < 0.454	11/19/2012 Soil < 0.461
CBs	Date Sampled Matrix Polychlorinated Biphenyl A Aroclor-1016 (PCB-1016) Aroclor-1221 (PCB-1221)	Aroclors (Metho 12674-11-2 11104-28-2	od 8082A and 3550C) 48* 48*	Unit mg/kg mg/kg	11/19/2012 Soil < 0.461 < 0.461	11/19/2012 Soil < 0.458 < 0.458	11/19/2012 Soil <0.451 <0.451	11/19/2012 Soil <0.454 <0.454	11/19/2012 Soil < 0.461 < 0.461
PCBs	Date Sampled Matrix Polychlorinated Biphenyl A Aroclor-1016 (PCB-1016) Aroclor-1221 (PCB-1221) Aroclor-1232 (PCB-1232)	Aroclors (Metho 12674-11-2 11104-28-2 11141-16-5	ad 8082A and 3550C) 48* 48* 48*	mg/kg mg/kg mg/kg	11/19/2012 Soil < 0.461 < 0.461 < 0.461	11/19/2012 Soil < 0.458 < 0.458 < 0.458	11/19/2012 Soil < 0.451 < 0.451 < 0.451	11/19/2012 Soil < 0.454 < 0.454 < 0.454	11/19/2012 Soil < 0.461 < 0.461 < 0.461
PCBs	Date Sampled Matrix Polychlorinated Biphenyl A Aroclor-1016 (PCB-1016) Aroclor-1221 (PCB-1221) Aroclor-1232 (PCB-1232) Aroclor-1242 (PCB-1242)	Aroclors (Metho 12674-11-2 11104-28-2 11141-16-5 53469-21-9	48* 48* 48* 48* 48*	mg/kg mg/kg mg/kg mg/kg mg/kg	11/19/2012 Soil < 0.461 < 0.461 < 0.461 < 0.461	11/19/2012 Soil < 0.458 < 0.458 < 0.458 < 0.458	11/19/2012 Soil < 0.451 < 0.451 < 0.451 < 0.451	11/19/2012 Soil < 0.454 < 0.454 < 0.454 < 0.454	11/19/2012 Soil < 0.461 < 0.461 < 0.461 < 0.461

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 A	roclors (Metho	od 8082A and 3550C)						
Aroclor-1016 (PCB-1016)	12674-11-2	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
Aroclor-1221 (PCB-1221)	11104-28-2	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 0.557	< 0.463	< 0.478	< 0.446	< 0.453
Aroclor-1248 (PCB-1248)	12672-29-6	48*	mg/kg	3.75	< 0.463	3.01	< 0.446	3.98
Aroclor-1254 (PCB-1254)	11097-69-1	48*	mg/kg	4.82	8.24	3.33	5.88	6.38
Aroclor-1260 (PCB-1260)	11096-82-5	48*	mg/kg	< 0.557	5.55	< 0.478	4.23	< 0.453
TOTAL PCB's	NA	48	mg/kg	8.57	13.79	6.34	10.11	10.36

	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 A	roclors (Metho	od 8082A and 3550C)								
	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
S	Aroclor-1232 (PCB-1232)	11141-16-5	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
CBs	Aroclor-1242 (PCB-1242)	53469-21-9	48*	mg/kg	< 0.799	< 0.783	< 2.30	< 2.30	< 2.30	< 2.21	< 2.55
Ъ	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

	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 A	roclors (Metho	od 8082A and 3550C)			
	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
v	Aroclor-1232 (PCB-1232)	11141-16-5	10*	mg/kg	< 1.00	< 1.00
PCBs	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

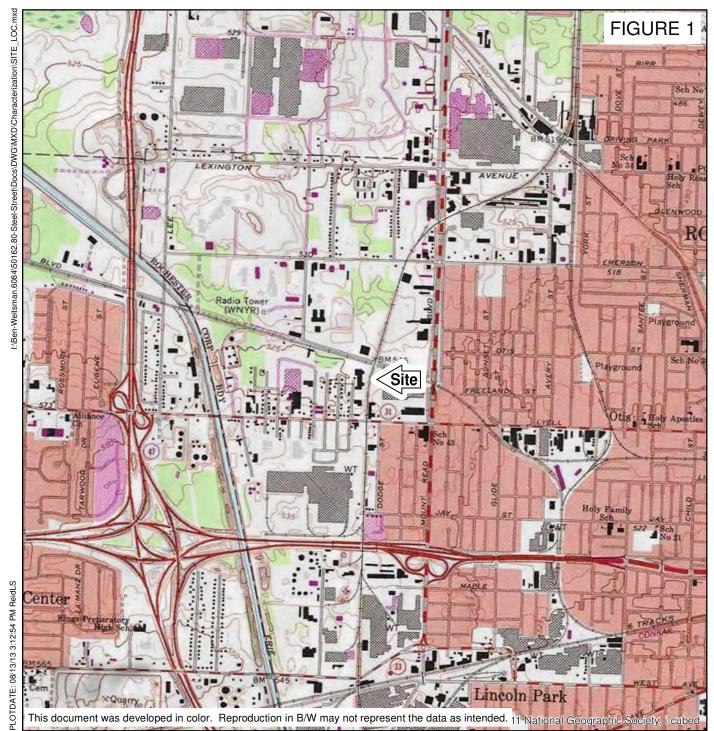
Notes:

* = 40 CFR 761.79(b)(3)(i)(a) decontamination verification wipe samples need to meet \leq 10 micrograms PCBs per 100 square centimeters (\leq 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

DEBRIS PILE CHARACTERIZATION REPORT
Figures



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

SITE LOCATION



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



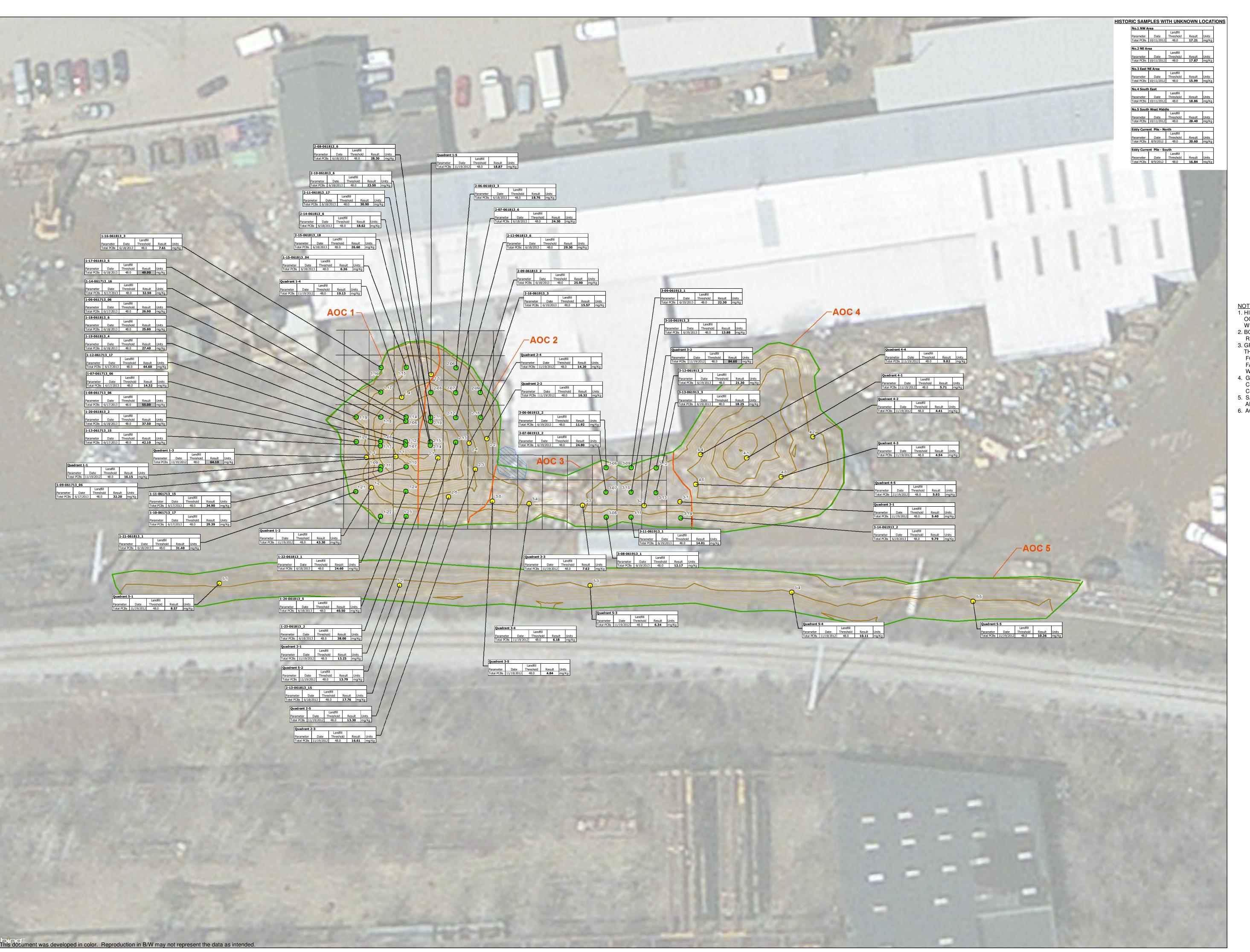


FIGURE 2



LEGEND

CHARACTERIZATION SOIL SAMPLE

KNOWN HISTORIC SAMPLE LOCATION (NOVEMBER 2013)

APPROX. LOCATION OF GAS CYLINDERS

APPROX. FOOTPRINT OF DEBRIS APPROX. AOC/QUADRANT

DEBRIS PILE CONTOUR

BOUNDARY

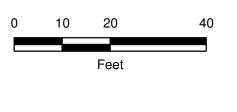
1. HISTORIC SAMPLE LOCATIONS FROM AUGUST 2012 AND OCTOBER 2012 ARE NOT DEPICTED AS THE LOCATIONS WERE NOT PROVIDED.

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**



6084.50162



I F CHARAC	TEDIZATION	LDEDODI

Appendix A
Site Photographs

APPENDIX A - PHOTOGRAPHIC LOG

CLIENT NAME:

Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC

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.

SITE LOCATION:

80 Steel Street

Rochester, New York 14606

PROJECT NO.

6084 | 50162



Client Name:

Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC

Date:

06/19/13

Site Location:

80 Steel Street

Rochester, New York 14606

Project No.

6084 | 50162

Description

Photo No.

002

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



Client Name:

Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC

Photo No.

Date:

003

06/19/13

Description

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

Site Location:

80 Steel Street

Rochester, New York 14606

Project No.

6084|50162



Client Name:

Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC

Photo No. Date:

004

06/19/13

Description

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

Site Location:

80 Steel Street Rochester, New York 14606 Project No.

6084|50162



DEBRIS PILE CHARACTERIZATION REPORT

Client Name:

Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC

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.

Site Location:

80 Steel Street

Rochester, New York 14606

Project No.

6084|50162



Client Name:

Ben Weitsman of Rochester, LLC Weitsman Rochester Realty, LLC

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.

Site Location:

80 Steel Street Rochester, New York 14606 Project No.

6084|50162



	'ATION REPORT

Appendix B
Soil Sample Records

Project: 80 Steel Street Soil Pile	Date: 6/17/13			
Project#: 50162	Date: 6/17/13 Time: 08:50			
Sample ID: 1-06-06/7/3=06	Sampler: L.Reid			
Sample Location: See Figure.	6-14 BGS Topof Pile			
Sample Collection Method Sample Description (% Metal) 51 / 4	Disposal Sterile Plastic Scoop 5-10% Metal, Soil - dark brown loose / Some Five sands			
Sample Headspace (ppm)	NA			
Sample Analysis	Total PCBs 8082			
Weather Precipit Wind: Temper	5-10 mph			
Comments:				



eet Soil Pile	Date: 6/17/13
	Time: 1005
7-06/713-06	Sampler: L.Reid
<i>C.</i>	6-8+ Bas (top
Method Di	sposal Sterile Plastic Scoop
ii (76 Wietai)	1010 Mesar 2011 Dark Drown
loose silts and fr	ne sands
(ppm)	NA
Te	otal PCBs 8082
D. C. St. C.	NA
	5-10 mph
Wind:	3-10 m/h
Temperature:	724
	n (% Metal) 5-1 loose silts and fire (ppm) To Precipitation:



Project: 80 Ste	eel Street Soil Pile	Date: 6//7//3
Project#: 5016	52	Time: 11:40
Sample ID:	1-08-061713-06	Sampler: L.Reid
Sample Loca		1. ALR65/4/1
	See Figure	~6-St-B65(toppits)
Sample Colle		sposal Sterile Plastic Scoop
Sample Desci	ription (% Metal)	-10% Metal Soil- Dark
Sample Head		-logo Metal Soil- Dark Black, silts uffine sands
Sample Analy	ysis <u>T</u>	otal PCBs 8082
<u>Weather</u>	Precipitation: Wind: Temperature:	NA 10-15 uph sw 75° F
Comments:	remperature:	ρ,



Project: 80 Steel Street So	oil Pile	Date: 6/17/13		
Project#: 50162		Date: 6/17/13 Time: 14:05		
Sample ID: 1-09	- 061713-06	Sampler: L.Reid		
Sample Location: See Fig	iue	6-84 B65 From top of pile		
Sample Description (%	6 Metal)	sposal Sterile Plastic Scoop 10% metal Soil- Dark Bown, w Nittle silts.		
Sample Description (%	6 Metal) Fine to med sand	10% metal Soil- Dark Boun,		
Sample Description (%	6 Metal) Fine to med sand. Om)	10% metal Soil-Dark Boun, s w/ little silts.		
Sample Description (% Sample Headspace (pp	6 Metal) Fine to med sand. Om)	10% metal Soil- Dark Bown, suffittle silts. NA_ Otal PCBs 8082		
Sample Description (% Sample Headspace (pp	6 Metal) Fine to med sand. Om)	10% metal Soil-Dark Bown, Soil-Dark Bown, NA_ Otal PCBs 8082		
Sample Description (% Sample Headspace (pp	Metal) Fine to med sands om) Precipitation:	10% metal Soil- Dark Bown, Soil- Dark Bown, NA_ Otal PCBs 8082		
Sample Collection Met Sample Description (% Sample Headspace (pp Sample Analysis Weather	om)	10% metal Soil- Dark Bown, suffittle silts. NA_ otal PCBs 8082		



Project: 80 Steel Street Soil Pile		Date: 6/	/17/13 58
Project#: 50162			58
Sample ID: 1-10-06/71	3-17	Sampler: L.Reid	
Sample Location:			17-ff BGS (toppile) ~Sff About ground
Sample Collection Method Sample Description (% Meta	<u>ıl)</u> 15-5	sposal Sterile Plastic S 20% ne fal Iva & sills	Soil - Black Fire
Sample Headspace (ppm)		NA	
Sample Analysis	To	otal PCBs 8082	
Weather			
1	Precipitation:	NA	
	Wind:	10-15	WWW
	Γemperature:	80°F	
Comments:	A TORREST AND A		



Project: 80 Steel Street Soil Pile	e	Date:	6/17//3
Project#: 50162		Time:	15:25
ample ID: \ \-\ll \- \ll \- \			L.Reid
Sample Location:			15-41 BLS (An ota)
See Figure			15-A BGS (bp pile)
Sample Collection Method Sample Description (% Method Fine		sposal Sterile I	
Sample Headspace (ppm)		NA NA	C 31 (1) , camp
Sample Analysis		otal PCBs 8082	2
Weather			
	Precipitation:		NA
	Wind:		10-15 mph
	Temperature:		NA 10-15 mph 80°F
Comments:			



	oil Pile	Date: 6/17/13
Project#: 50162		Date: 6/17/13 Time: /55/
Sample ID: 1-12-0	61713-18	Sampler: L.Reid
Sample Location:	Figure	18' RGS (op pile) n 6' above ground
Sample Collection Me	e thod Di	sposal Sterile Plastic Scoop
Sample Description (%	Metal) med-fine sands	10% Mc/al- Soil-Black
Sample Description (%	med-fine sands	10% Melal - Soil - Black
Sample Description (%	med-fine sands pm)	10% Melal - Soil - Black uf little silts
Sample Description (% Sample Headspace (p) Sample Analysis	med-fine sands pm)	10% Melal - Soil - Black u / little silts NA Total PCBs 8082
Sample Description (%	pm)	10% Melal - Soil - Black uf little silts NA Total PCBs 8082
Sample Description (% Sample Headspace (p) Sample Analysis	pm) Precipitation:	10% Melal - Soil - Black uf little silts NA Total PCBs 8082
Sample Description (% Sample Headspace (p) Sample Analysis	pm) Precipitation: Wind:	10% Melal - Soil - Black uf little silts NA Total PCBs 8082
Sample Description (% Sample Headspace (p) Sample Analysis	pm) Precipitation:	10% Melal - Soil - Black uf little silts NA Total PCBs 8082



Project: 80 Steel Street Soil Pile	Date: 6/17/13 Time: 1615
Project#: 50162	
Sample ID: 1-/3-06/7/3-15	Sampler: L.Reid
Sample Location:	
satigure	15-Pt BG-S (top Pile) ~3-ft above ground
Sample Collection Method	Disposal Sterile Plastic Scoop
Sample Description (% Metal)	10% Metal Soil - Black
Sample Headspace (ppm)	10% Metal Soil - Black Med sauds, little silts, danp NA
Sample Analysis	Total PCBs 8082
Weather	
Preci	pitation:
	10-16 20 1/11
Wind	LOSE
Temp	perature: 80 F
Comments:	



Project: 80 Steel Street Soil Pi	le	Date:	6/17//3
Project#: 50162		Time:	6/17//3 16:50
Sample ID: 1-14-06/7/3-16 Sampler: L.Reid			Reid
Sample Location: See Figure			16-Ft B6-5 (top pile) n4-Ft about ground
Sample Collection Method Sample Description (% Me		sposal Sterile Pl % Metal /little sil	lastic Scoop Soil - Black Fine - med 1/5, Namp
Sample Headspace (ppm)		NA	
Sample Analysis	Т	otal PCBs 8082	
Weather			
	Precipitation:		NA
	Wind:		10-15 W
	Temperature:		80°F
Comments:			



Project: 80 Steel Street	Soil Pile	Date:	6/18	113 7:15		
Project#: 50162		Time:	0,-7	7:45		
Sample ID: 1-15-0	061813-04	Sampler: L.Reid				
Sample Location:				100		
Sec Figu				Aft Bas (toppie		
Sample Collection M Sample Description		sposal Sterile		Soil- Dark		
Sample Headspace (Sample Analysis	ррт)	_NAotal PCBs 80		THE THE		
Sample Analysis	11	olai FCDS 60	02			
Weather	Precipitation: Wind: Temperature:	,	NA 10-15 65°	mph N		
Comments:						



Project: 80 Steel Street	Soil Pile	Date: 6/18/13			
Project#: 50162		Time: 4:00			
Sample ID: - 6-	16-061813_3 Sampler: L.Reid				
Sample Location:	gwe	3. ft B6-5(Top Pile)			
		isposal Sterile Plastic Scoop 15-20 % Metal, Soil-Dark Fine-Med Sauds w/little Alts			
Sample Description (Brun locse +	15-20% Metal, Soil-Dark fine-med sands w/1.44/2			
Sample Description (Brwn Joose 7				
Sample Description (Sample Headspace (Sample Analysis	Brwn Joose 7	15-20% Metal, Soil-Dark fine-med sands w/little Allts NA Cotal PCBs 8082			
Sample Description (Sample Headspace (Sample Analysis	Semo Joose of Depm)	15-20% Metal, Soil-Dark fine-med sands w/little Allts NA Cotal PCBs 8082			
Sample Description (Sample Headspace (Sample Analysis	Brwn Joose 7	15-20% Metal, Soil-Dark fine-med sands w/little Allts NA Cotal PCBs 8082			
Sample Description (Sample Headspace (Sample Analysis	Semo Joose of Depm)	15-20% Metal, Soil-Dark fine-med sands w/little Allts NA Cotal PCBs 8082			
Sample Collection M Sample Description (Sample Headspace (Sample Analysis Weather	Precipitation:	15-20% Metal, Soil-Dark fine-med sands w/little Allts			



Project: 80 Steel Street Soil Pile		Date:	6 18 13 8 : 24	
Project#: 50162		Time:	8:24	
Sample ID: 1-17-06/8/	3_5	Sampler: L	.Reid	
Sample Location: See Figure			5-Ft B&S (top Pile)	
Sample Collection Method Sample Description (% Me	etal)5~/		Plastic Scoop Soil - Dark Brunn, Silfs.	
Sample Headspace (ppm) Sample Analysis		NA otal PCBs 8082		
		nui i CD3 0002		
Weather				
	Precipitation:		NA	
	Wind:		10-15 N	
	Temperature:		NA 10-15 N 66°F	
Comments:				



Project: 80 Steel Street Soil Pi	le	Date: $6/8/13$
Project#: 50162		Time: 840
Sample ID: 1-18-061813.	-6	Sampler: L.Reid
Sample Location: See Figure		6-ft BGS (top.p.le)
Sample Collection Method Sample Description (% Mo	etal) 5-10 med sunds, 1	sposal Sterile Plastic Scoop 9. Metal, Soil-Dark Brun, ittle Silts, trace fine gravel/kourse
Sample Headspace (ppm)		_NA
Sample Analysis	To	otal PCBs 8082
Weather		
	Precipitation:	NA
	Wind:	10-15 mph N
	Temperature:	10-15 mph N 66°F
Comments:		



Project#: 50162	l Pile	Date:	010113
		Time:	6/18/13
Sample ID: 1-19-06181	13.4	Sampler:	L.Reid
Sample Location: See Figure			4.Fl Bas toppik
Sample Collection Meth			Plastic Scoop Soil-Dark Brun
Sample Description (%	ine-Med Sayds	, little	siHs
Sample Description (%) Final Sample Headspace (ppm)	ine-Med Sayds	, little	siHs
_F	ine-Med Sands	, little	si/ts
Sample Headspace (ppn	ine-Med Sands	, 11/f/e NA	si/ts
Sample Headspace (ppm	ne-Med Sands To	NA	2
Sample Headspace (ppn	ine-Med Sands	NA	2
Sample Headspace (ppn	ne-Med Sands To	NA	2
Sample Headspace (ppn	n)To Precipitation:	NA	si/ts



Project: 80 Steel Street Soil	l Pile	Date:	6/18/3
Project#: 50162		Time:	904
Sample ID: 1-20-06181	3.2	Sampler: I	L.Reid
Sample Location: See Figure	e		7-Ft BES (top pik)
Sample Collection Methor Sample Description (%)		sposal Sterile F	Plastic Scoop Soul-Dark Brun, 11741e silts, twee was
	sands		
Sample Headspace (ppm	<u>)</u>	NA	- 4
Sample Analysis	T	otal PCBs 8082	2
Weather			
	Precipitation:	N	1A
	Wind:	/	10-15 mph N 66°F
	Temperature:		66°F
Comments:			



Project: 80 Steel Street Soil Pile	Date: 6//8//3
Project#: 50162	Time. 710
Sample ID: 1-71-06/8/3-1	Sampler: L.Reid
Sample Location: See Figure Sample Collection Method	Disposal Sterile Plastic Scoop 5 do Mehal, Soil-Dark Brun, Med Sands, little Fresitts, have coose south
Sample Headspace (ppm) Sample Analysis Weather	
Pred	cipitation:
Wir	nd: 10-15 yt N
Ten	10-15-y4 N
Comments:	



Project: 80 Steel Street Soil Pi	le	Date:	6/18/13
Project#: 50162		Time:	9:20
Sample ID: 1-22-06/8/3	-1	Sampler	r: L.Reid
Sample Location:			
See Figure		1-	1-Ft 865 (top pild)
Sample Collection Method Sample Description (% Me			le Plastic Scoop elal Soil - Dork Brun, He silts
Sample Headspace (ppm)		_NA	
Sample Analysis	To	otal PCBs 80	082
Weather			
	Precipitation:		NA
	Wind:		NA 10-15 mph N 660F
			10 15 mg 11
	Temperature:		66°F
Comments:			



Project: 80 Steel Street Soil Pi	le	Date:	6/18/13
Project#: 50162		Time:	6/18/13 928
Sample ID: 1-23-0618	13- Z	Sampler:	
Sample Location: Sec Figure	<u>a</u>	-	2-ff BGS (top pik)
Sample Collection Method Sample Description (% Me			fal Soil-Drk Brun,
Sample Headspace (ppm)		NA	
Sample Analysis		Total PCBs 80	82
Weather			
	Precipitation:		VA
	Wind:		10-15 reph N
	Temperature:		NA 10-15 reph N 60°F
Comments:			



Project: 80 Steel Street Soil Pi	e Date: 6/28//3
Project#: 50162	Time: 6447
Sample ID: 1-24-061813	Sampler: L.Reid
Sample Location: See Figure	5-ft B65 (top Pile)
Sample Collection Method Sample Description (% Me	Disposal Sterile Plastic Scoop Stal) 5-1040 Metal, Soil- DVK Brung Fine - Med Sands, little silts
Sample Headspace (ppm)	NA
Sample Analysis	Total PCBs 8082
Weather	Precipitation: NA Wind: $10-15^{\circ}$ nph N Temperature: $66^{\circ}F$
Comments:	



Project: 80 Steel Street Soil P	ile	Date: 6/18/13 Time: 10:18
Project#: 50162		
Sample ID: 2-06-0618	3/3_3	Sampler: L.Reid
Sample Location:	e	3-St BGS Appile
Sample Collection Method Sample Description (% Me	etal) S	sposal Sterile Plastic Scoop -10 % Mc/al Soil - Drk Brun Sand, 1:41/c silds
Sample Headspace (ppm)		_NA
Sample Analysis	<u>Tc</u>	otal PCBs 8082
Weather		
	Precipitation:	NA
	Wind:	10-15 mpn N
	Temperature:	68°F



Project: 80 Steel Street Sc	oil Pile	Date:	6/18/13		
Project#: 50162		Time:	1036		
Sample ID: 2-07-06/813_6		Sampler	Sampler: L.Reid		
Sample Location: See Figure	re		6-ft B65 (top pile)		
Sample Collection Met	:hod Di	sposal Sterilo	e Plastic Scoop		
	Metal)				
Sample Description (%	Metal) Five-Med San	5-10%	Mofal Soil- Drk Brun		
	Five-Med San	5-10%	Mofal Soil- Drk Brun		
Sample Description (%	Five-Med San	5-10% ads, 10	Mofal Soil- Dek Brun 46 eilts		
Sample Description (% Sample Headspace (pp	Five-Med San	5-10 % 103 NA	Mofal Soil- Dek Brun 46 eilts		
Sample Description (% Sample Headspace (pp	Precipitation:	S -10 % 10 % NA_ Otal PCBs 80	Motal Soil- Dek Brun He silts		
Sample Description (% Sample Headspace (pp	Precipitation:	S -10 % 10 % NA_ Otal PCBs 80	Motal Soil- Dek Brun He silts		
Sample Description (% Sample Headspace (pp	Precipitation:	S -10 % 10 % NA_ Otal PCBs 80	Motal Soil- Dek Brun He silts		
Sample Description (% Sample Headspace (pp Sample Analysis	Precipitation:	S -10 % 10 % NA_ Otal PCBs 80	Mofal Soil- Dek Brun 46 eilts		



Project: 80 Steel Street Soil Pi	le	Date: Time:	1053	
Sample ID: 2-08-06	1813.6	Sampler:	L.Reid	
Sample Location: See Figure			6-St B65	(top pile)
Sample Collection Method	<u>Di</u>	sposal Sterile	Plastic Scoop	
Sample Description (% Mo	etal) 10 F-M sand,			un
Sample Headspace (ppm)		NA		
Sample Analysis	<u>T</u>	otal PCBs 808	2	
Weather				
	Precipitation:	N	4	
	Wind:	10	7-15 mph N	
	Temperature:		70° F	
Comments:				



Project: 80 Steel Street Soil P	ile	Date: 6/18/13
Project#: 50162		Date: 6/18/13 Time: 11:08
Sample ID: 2-09-0618	13.2	Sampler: L.Reid
Sample Location: See Figure Sample Collection Method		2-ft B65 (toppile)
Sample Collection Method		sposal Sterile Plastic Scoop
		Ve Mefal Soil - Vry Drk Brun
	FM Sands,	little silts
Sample Headspace (ppm)		_NA
Sample Analysis	<u>To</u>	tal PCBs 8082
Weather		
	Precipitation:	NA
	Wind:	10-15 N
	Temperature:	70°F
Comments:		



Project: 80 Steel Street Soil Pi	le	Date:	6 18 13 1150		
Project#: 50162		Time:			
Sample ID: 2-10-06/8/3-6		Sampler: L	Sampler: L.Reid		
Sample Location:					
See F	guve		6-84 B6S (toppile)		
Sample Collection Method Sample Description (% Me			, Soil - Vry Drk Brun		
Sample Headspace (ppm)		NA			
Sample Analysis	T	otal PCBs 8082			
Weather					
	Precipitation:	/	VA		
	Wind:		10-15 mph N		
	Temperature:		70°F		
Comments:	4				



Project: 80 Steel Street Sc	oil Pile	Date:	6/18/13
Project#: 50162		Time:	
Sample ID: 2-11-061	813-17	Sampler	: L.Reid
Sample Location:			17-f+ R 65 /La 1/2
See Figu	in		17-ft B 45 (top pile)
J		- C	
		_	
		-	
	,	_	
	d 1/4		
Sample Collection Met	t hod Di	sposal Sterile	e Plastic Scoop
C	(Matal)	10 0 11	silte
Sample Description (%	o Metal) 5	10 %	Soil Dry Drun
	F-M Sands	little	silts
· ·			
Sample Headspace (pp	um)	ΝΔ	
Sample Headspace (pp	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		
Sample Analysis	<u></u>	otal PCBs 80	082
Weather			
Weather			10
	Precipitation:		NA
	Wind:		NA 10-15 mph N 70°F
			7005
	Temperature:		10 -
Comments:			



Project: 80 Steel Street Soil Pi	le	Date: 6/18/13
Project#: 50162		Time: 1415
Sample ID: 2-12-061	813_6	Sampler: L.Reid
Sample Location: See Fig.	ive	6-84 BGS (toppile)
Sample Collection Method Sample Description (% Me	etal) /	sposal Sterile Plastic Scoop 5 % Metal, Soil - Drk Brun
Sample Headspace (ppm)		NA
Sample Analysis		tal PCBs 8082
Weather		
	Precipitation:	NA
	Wind:	10-16 11
		NA 10-15 npn N 72° F
	Temperature:	12 +
Comments:		



Project: 80 St	eel Street Soil Pi	e	Date:	6/18/13
Project#: 501	62		Time:	1545
Sample ID:	2-13-06/81	3-15	Sampler:	L.Reid
Sample Loca	ation: Sec Figure			15-54 Bas Toppile
Sample Coll	ection Method		Disposal Sterile	Plastic Scoop
Sample Desc	cription (% Me	tal)	10 % met	al Soil- Very Dark
	Bou	un, M-F	sands,	took little silts
Sample Hea	dspace (ppm)		NA	
Sample Ana	lysis		Total PCBs 80	82
Weather				
		Precipitation:	_ NA	
		Wind:	112-15	and A
		Temperature:		mph N
Comments:				



Project: 80 Steel Street Soil Pil	e	Date: $6/18/13$ Time: 1620	
Project#: 50162			
Sample ID: 2-14-0612	813-6	Sampler: L.Reid	
Sample Location: See Figure		6-ft !	B65 (top pile)
Sample Collection Method Sample Description (% Me		osal Sterile Plastic Scoop 10 % metal Soil 1441e 51/45	- Drk Brun,
Sample Headspace (ppm)		NA	
Sample Analysis	To	al PCBs 8082	
Weather			
	Precipitation:	NA	
	Wind:	10-15 mp	h
	Temperature:	NA 10-15 mp 72°F	
Comments:			

Project: 80 Steel Street Soil Pi	ile	Date:	[18][S 1510	
Project#: 50162			A Comment of the Comm	
Sample ID: 2-15-0618	313-18	Sampler: L.Reio		
Sample Location: See Fig	ure		18-ff BGS (top pi)	6)
		posal Sterile Plastic		rt Bri
		The state of the s		rt Br
Sample Collection Method Sample Description (% Mo		The state of the s	escoop Vetal Sail-Dav Ye silts	rt Br
		The state of the s		rt Br
Sample Description (% Mo	etal) F-M	5-10% M		rt Br
Sample Description (% Mo	etal) F-M	5-10% M		rt Br
Sample Description (% Mo	etal) F-M	5-10 % M Sands, 1, # NA_ tal PCBs 8082	Petal Soil- Das Me silts	rt Bri
Sample Description (% Mo	etal) F-M	5-10 % M Sands, 1, # NA_ tal PCBs 8082	Petal Soil- Das Me silts	rt Bri
Sample Description (% Mo	etal) F-M	5-10 % M Sands, 1, # NA_ tal PCBs 8082	Petal Soil- Das Me silts	rt Bri
Sample Description (% Mo	Precipitation:	5-10 % M Sands, 1, # NA_ tal PCBs 8082		rt Bri



Project: 80 Steel Street	Soil Pile	Date: 6/19/13 Time: 0810	
Project#: 50162 Sample ID: 2-16-061913 3		Time: 6810 Sampler: L.Reid	
		Sampler, L.Reid	
Sample Location:	que	3-A Bos (top pile)	
Sample Collection M	ethod Di	sposal Sterile Plastic Secon Hand Acres &	
	(% Metal) \angle	sposal Sterile Plastic Scoop Hand Acager to 1 Disposable Stak Plastic Scoop to jar. 500 metal 5017 Drk Brun F.M. Sand, cc. FMC, subangular gravol	
Sample Description ((% Metal) Z	sposal Sterile Plastic Scoop Hand Auger to 1 Disposable Strik Plastic Scoop to jar. 5% metal 5017 Drk Brun F.M. Sand, cc. Finc, subangular gravel NA	
Sample Description ((% Metal) Z NHR si/ts, trac opm)	5% metal soil Drk Brun F.M Sand,	
Sample Description (Sample Headspace (p	(% Metal) Z NHR si/ts, trac opm)	5% metal soi) Drk Brun F.M Sand, cc. Finc, subungular gravel NA Otal PCBs 8082	
Sample Description (Sample Headspace (p	(% Metal) Z NHR si/ts, trac opm)	5% metal SoiT Drk Brun F.M Sand, cc. Finc, subungular gravel NA Otal PCBs 8082	
Sample Description (Sample Headspace (p	(% Metal) Z NHE si/ts, trac opm)	5% metal Soi) Drk Brun F.M. Sand, cc. Finc, subungular gravel NA Otal PCBs 8082	
Sample Collection M Sample Description (Sample Headspace (p	Opm) Precipitation:	5% metal soil Drk Brun F.M Sand, cc. Fince subangular gravel NA	



Date: 6/19/13
Time: 0827
Sampler: L.Reid
2-ft B65 (top pile)
Disposal Sterile Plastic Scoop 15 % - 20 % Metal Soil - Dok Brun, ds w/little silts,
NA
Total PCBs 8082
ation: NA
ation: NA $Suph NE$ ature: $65^{\circ}F$
- Supi VE
ature: 65°/-



Project: 80 Steel Street Soil P	ile	Date:	6/19/13
Project#: 50162			0853
Sample ID: 3-07-06/9/3_	4	Sampler:	L.Reid
Sample Location: See Figure			4-9+ Bbs (toppile)
	etal) 20 - 30	o% Mcfa,	Plastic Scoop Soil - Vry Drk Brun, dang
Sample Headspace (ppm)		_NA	
Sample Analysis	<u></u>	otal PCBs 808	32
Weather			×
	Precipitation:	N	A
	Wind:	1	10 mpn NE 68°F
	wind.		TO JUST WE
	Temperature:		68"
Comments:			



Project: 80 Steel Street Soil Pi	le	Date: 6/19/13
Project#: 50162		Time: COZ
Sample ID: 3-08-06/91	3-1	Sampler: L.Reid
Sample Location: See Figu	vc	1-A B65 (kppik)
Sample Collection Method Sample Description (% Me		20 90 metal Soil - Dak Brum
Sample Headspace (ppm)		NA
Sample Analysis	To	otal PCBs 8082
Weather		
	Precipitation:	UX
	Wind:	5-10 NE
	Temperature:	NA 5-70 NF 66° F
Comments:		~



Project: 80 Steel Street Soil	Pile	Date:	6/19/13
Project#: 50162		Time:	910
Sample ID: 3-09-0	6/913-1	Sampler	: L.Reid
Sample Location: See Fig.	wc	-	1-P4-B65 (toppile)
		of Met	e Plastic Scoop Gl Sail Vry Drk Born, S.
Sample Headspace (ppm)		NA	
Sample Analysis	T	otal PCBs 80	082
Weather			
	Precipitation:		NA
	Wind:		NA 5-10 mph NE 66°F
	Temperature:		66°F
Comments:			



Project: 80 Steel Street Soil Pi	le	Date: 6 //9//3 Time: 09/8
Project#: 50162		
Sample ID: 3-10-06/9/	3-3	Sampler: L.Reid
Sample Location:	~	3-Pt Bbs (toppile)
Sample Collection Method Sample Description (% Me	etal) 5	isposal Sterile Plastic Scoop -10% webal Sil- Vry Ark Brun Sona silts
Sample Headspace (ppm)		NA
Sample Analysis	To	otal PCBs 8082
Weather		
	Precipitation:	NA
	Wind:	5-10° NE
	Temperature:	NA 5-10° NF 60°F
Comments:	100 10000	



Project: 80 Steel Street Soil Pil	e	Date:	6/19/13
Project#: 50162		Time:	0925
Sample ID: 3-11-06/9/3_		Sampler: L	
	<u>D</u>		Plastic Scoop Soil - Vry Drk Brun,
Sample Headspace (ppm) Sample Analysis		NANA	
Weather			
	Precipitation:	1	14
	r recipitation: _	, ,	
	Wind:	5	-10 uph 11
	Temperature:	6	14 :-10 wph NF :60F
Comments:			



Project: 80 Steel Street Soil P	ile	Date: $6/19/13$ Time: 0935
Project#: 50162		
Sample ID: 3-12-0619,	13- 2	Sampler: L.Reid
Sample Location: See Figure		2-Pt-B65 (toppile)
Sample Collection Method Sample Description (% M	etal) 20-3	sposal Sterile Plastic Scoop 30% Metal Soil - Vry Prk Brun, some silts
Sample Headspace (ppm)		_NA
Sample Analysis	To	otal PCBs 8082
Weather		
	Precipitation:	NA
	Wind:	5-10 mph NE
	Temperature:	NA 5-10 mph NE 68°F
Comments:	remperature	



Project: 80 Steel Str	reet Soil Pile	Date: 6/19// 3 Time: 0948
Project#: 50162		
Sample ID: 3~	13-061913_3	Sampler: L.Reid
Sample Location:	SeeFigure	3-ft Bbs (toppte)
Sample Collection Sample Description		sposal Sterile Plastic Scoop 1546 netal Sout Vry Dok ands, some 5145
Sample Headspac		_NA
Sample Analysis	To	otal PCBs 8082
Weather	Precipitation:	NA
Weather	Precipitation: Wind:	NA 5-10 mph NE
Weather	Precipitation: Wind: Temperature:	NA 5-10 mph NE 66°F



Project: 80 Steel Street Soil Pile	Date: $6//9//3$
Project#: 50162	Date: 6/19/13 Time: 0956
Sample ID: 3-14-06/913-Z	Sampler: L.Reid
Sample Location: See Figure	2-ft BGS (toppile)
Sample Collection Method Sample Description (% Metal) F-M Se	Disposal Sterile Plastic Scoop 10-15% wetal, Soil - Vry Drk Boun.
Sample Headspace (ppm)	NA
Sample Analysis	Total PCBs 8082
Weather	
Precipitati	ion: 1/A
	ion:
Wind:	5-10 ray 1
Temperate	ure:66°F
Comments:	



Exhibit A

Paradigm Environmental Services, Inc. Laboratory Analytical Reports



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.



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

<u>Analyte</u>		<u>Result</u>	<u>Units</u> Q	<u>Qualifier</u>	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

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



Client:

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

<u>Analyte</u>	<u>Result</u>	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

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



Client:

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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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

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



Client:

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

<u>PCBs</u>

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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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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

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	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

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



Client:

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

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	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				

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

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Client:

O'Brien & Gere Engineers, Inc.

Project Reference:

80 Steel Street

Sample Identifier:

1-11-061713_15

EPA 3550C

Lab Sample ID:

132240-07

Matrix:

Soil

Date Sampled: 6/17/2013 3

3:25 PM

Date Received: 6/18/2013

PCBs

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	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				

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



Client:

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

<u>PCBs</u>

<u>Analyte</u>	<u>Result</u>	<u>Units</u> Qualifie	er <u>Date/Time Analyzed</u>
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



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> 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



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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



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

<u>PCBs</u>

<u>Analyte</u>		<u>Result</u>	<u>Units</u> Qual	<u>ifier </u>
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			

eference(s): EPA 8082A EPA 3550C



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

8:24 AM

Date Received: 6/18/2013

PCBs

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	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				



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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



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

<u>PCBs</u>

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	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



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

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	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



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

<u>Analyte</u>		Result	<u>Units</u>	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



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

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	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



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

<u>Analyte</u>	Result	<u>Units</u> 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			

Reference(s): EPA 8082

EPA 3550C



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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



Client:

O'Brien & Gere Engineers, Inc.

Project Reference:

80 Steel Street

Sample Identifier:

2-06-061813_3

EPA 3550C

Lab Sample ID:

132240-20

Matrix:

Soil

Date Sampled: 6/18/2013 1

10:18 AM

Date Received: 6/18/2013

PCBs

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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			



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

10:36 AM

Date Received: 6/18/2013

PCBs

<u>Analyte</u>	Result	<u>Units</u> <u>Qualifier</u>	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



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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



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:

11:08 AM

Date Received: 6/18/2013

PCBs

<u>Analyte</u>		Result	<u>Units</u>	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				



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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
Mark - 1 D - ((-) EDA 0002 A			

Method Reference(s):

EPA 8082A

EPA 3550C



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

<u>Analyte</u>		Result	<u>Units</u> Qua	lifier 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			



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

<u>Analyte</u>	<u>Result</u>	<u>Units</u> <u>Qualifier</u>	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
Mathed Deference(s). EDA 0000A			

Method Reference(s):

EPA 8082A

EPA 3550C



Client:

O'Brien & Gere Engineers, Inc.

Project Reference:

80 Steel Street

Sample Identifier:

2-14-061813_6

EPA 3550C

Lab Sample ID:

132240-28

Matrix:

Soil

Date Sampled: 6/18/2013

4:20 PM

Date Received: 6/18/2013

PCBs

<u>Analyte</u>		<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	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				



Client: O'Brien & Gere Engineers, Inc.

Client Job Site:

80 Steel Street

Lab Project Number:

132240

Client Job Number:

Field Location:

Lab Sample Number:

Blk 6/19

N/A 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 Difector
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition 132240B1.XLS requirements upon receipt.

Page 30 of 44

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:

80 Steel Street

Client Job Number: Field Location: Field ID Number:

Sample Type:

Soii N N N

Lab Project Number: 1322 Lab Sample Number: LCS 6/19

132240

SDG#: N/A

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

ELAP Number 10958	Aroclor 1268	Spiked Compound
	< 0.400	Blank Results in mg / Kg
	2.00	in mg / Kg
	1.46	in mg / Kg
	73.0	Recovery
	N/A	in mg / Kg
	N/A	in mg / Kg in mg / Kg
	N/A	Recovery
Method: EPA 8082	N/A	% RPD

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street

Field Location: Field ID Number: Soil N/A

Client Job Number:

Sample Type:

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

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

SDG#: N/A

EI AD Nimber 10058	Aroclor 1268	Spiked Compound
	< 0.400	Blank Results in mg / Kg
	2.00	in mg / Kg
	1.55	in mg / Kg
	77.5	Recovery
	N/A	in mg / Kg
	N/A	in mg / Kg
-	N/A	Recovery
Method: EPA 8082	N/A	% RPD



Client: O'Brien & Gere Engineers, Inc.

Client Job Site:

80 Steel Street

Lab Project Number: Lab Sample Number: 132240

Client Job Number:

Blk 6/20

Field Location:

N/A 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
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition 132240B2.XLS requirements upon receipt.

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:

Field Location: Field ID Number: Sample Type: Soil N/A

Lab Project Number: 1322 Lab Sample Number: LCS 6/20

Date Sampled: Date Received: Date Analyzed: $\mathbb{Z}_{\mathbb{Z}}$ 06/20/2013

SDG#: N/A

ELAP Number 10958	Aroclor 1268	Spiked Compound
	< 0.400	Blank Results in mg / Kg
	2.00	LCS Spiked in mg / Kg
	1.38	LCS Results in mg / Kg
	69.0	LCS Percent Recovery
	N/A	in mg / Kg
	N/A	in mg / Kg in mg / Kg
~	N/A	Recovery
Method: EPA 8082	N/A	% RPD

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

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street

Field Location:
Field ID Number:

Sample Type:

Client Job Number: Soil 1-08-061713_06

Lab Project Number: Lab Sample Number:

SDG#: N/A

132240-03 132240

Date Sampled: Date Received: Date Analyzed: 06/17/2013 06/18/2013 06/20/2013

ELAP Number 10958	Aroclor 1268	Spiked Compound
	< 0.477	Sample Results in mg / Kg
	2.40	MS Spiked in mg / Kg
	1.19	MS Results in mg / Kg
	49.6 *	MS Percent Recovery
	2.46	in mg / Kg
:	1.47	in mg / Kg in mg / Kg
	59.8	MSD Percent Recovery
Method: EPA 8082	18.6	% RPD

^{*=} Outside QC limits

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street

Client Job Number: Field Location: Field ID Number: 2-09-061813_2

Sample Type: Soil

Lab Project Number: Lab Sample Number:

132240

SDG#: N/A

Date Sampled: Date Received: Date Analyzed:

132240-03

06/18/2013 06/18/2013 06/20/2013

ELAP Number 10958	Aroclor 1268	Spiked Compound
	< 0.478	Sample Results in mg / Kg
	2.41	MS Spiked in mg / Kg
	1.70	MS Results in mg / Kg
	70.5	MS Percent Recovery
	2.42	MSD Spiked in mg / Kg
	2.20	in MS
7	90.9	MSD Percent Recovery
Method: EPA 8082	25.3	WS/MSD % RPD

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:

Client Job Number:

N/A

80 Steel Street

Sample Type: Soil

Lab Project Number:

132240

SDG Group:

NA

6/17,18/2013 06/18/2013

Date Sampled: Date Received: Date Analyzed: 6/20,21,24,25/2013

Lab Sample Number	Field Number	Field Location	Decachlorobiphenyl % 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

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

Method: EPA 8082

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



PCB Analysis Report for Surrogate Recoveries

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:

Client Job Number:

N/A

80 Steel Street

Soil

Sample Type:

Lab Project Number:

132240

SDG Group:

N/A

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

Sample Number	Field Number	Field Location	Decachlorobiphenyl	2,4,5,6-Tetrachloro-m-xylene
			% Recovery	% Recovery
132240-20	N/A	2-06-061813_3	107	102
132240-21	N/A	2-07-601813_6	102	104
1 0 1 1 0	-			

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

ELAP Number 10958

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

Method: EPA 8082

^{* =} Recovery not able to be calculated due to interference from spiking standard

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

PCB Analysis QC Limits

Limits effective: Through:

Apr 01,2013 Jun 30,2013

PCB TCmX DCBP Spiked Compound ELAP Number 10958 Surrogate Lower % Lower % 50.8 56.0 55.8 Soil Surrogate Limits Soil Spike Limits Upper % Upper % 148 139 146 Lower % NA Soil % RPD Limits Upper % 65.1 Lower % Lower % Water Surrogate Limits Lower % Upper % -9.32 33.2 26.1 Water Spike Limits Upper % 92.8 126 113 Lower % Water % RPD Limits N/A Method: EPA 8082 Upper % 56.9

and the warning limit will be investigated, but will not invalidate the batch.

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



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:

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

[&]quot;<" = Analyzed for but not detected at or above the quantitation limit.

[&]quot;E" = Result has been estimated, calibration limit exceeded.

[&]quot;Z" = See case narrative.

[&]quot;D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

[&]quot;M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

[&]quot;B" = Method blank contained trace levels of analyte. Refer to included method blank report.

[&]quot;V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.

[&]quot;I" = Result estimated between the quantitation limit and half the quantitation limit.

[&]quot;L" = Laboratory Control Sample recovery outside accepted QC limits.

[&]quot;C" = Concentration differs by more than 40% between the primary and secondary analytical columns.

CHAIN OF CUSTODY

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

PROJECT REFERENCE			PARADIGM
ATTN: KCUID / & MOCHEK	PHONE: 585-295-7700 PHONE:	CITY REMSEY STATE: ZIP: ALOT CITY: STATE: ZIP:	10: Repor
WENING BURSTON (O) OBS. COM	Email: 523/3)	Quotation #: MSO31313A (Cevi	

50162 80 Steel St.	Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	WA - Water WG - Groundwater WWW - Wastewater	SO - Soil SL - Sludge	SD - Solid WP - Wipe PT - Paint CK - Caulk	OL - Oil AR - Air
		REQUESTED ANALYSIS	LYSIS		
OLLECTED TIME COLLECTED O	2/18	X-R-DE WHOOO TO RHUBECZ WRHZ-D-IZOO TOKI PUBS SID		REMARKS	PARADIGM LAB SAMPLE NUMBER
1 6/17/13 08:50 X	1-06-061713_06	x 1 05	>		0 /
11-11/3	1-07-061713-06	SO 1 X			0 2
6/17/13	1-08-061713,06	5014			03
4 6/17/13 14:05 X	1-09-061713-06	\$0 - \ \			04
6/17/13	1-10-061713-17	SO 1 X	A Comment of the Comm		05
6 6/17/13 15:5) X	1-12-06/7/3-18	SO / X	100		00
7 6/17//3 1525 X	1-11-061713-15	50 - 4	2		07
117/13	1-13-061713-15	50 - X			08
6/17/13	<. I	50 1 4		The state of the s	09
10 6/18/13 745 X	1-15-061813-04	501 x 1		- Administration of the second	1
Turnaround Tin	Report Supplements			9°C/cea	9
Availability contingent upon lab approval; additional fees may apply	proval; additional fees may apply.	geforn fellow	6/18/15 1630	T	
Standard 5 day Batch QC	Basic EDD 💢	Sampled By Sampled By Sampled By 6	6/18/13 1630	וטומו כיסיני	
Rush 3 day Category A	NYSDEC EDD .	, , ,	Date/Time	ν 	
Rush 2 day Category B		Received By	6/18/13/63C	P.I.F.	
Rush 1 day		abeth a Honch	6/18/13 1710		
Other Other Other please indicate:	Other EDD please indicate:		Date/Time		



CHAIN OF CUSTODY

3 0853 X 3 0864 X 13 0820 X 13 0820 X	PROJECT REFERENCE 50/2 DATE COLLECTED TIME COLLECTED S A A B B B B B B B B B B B B B B B B B	REPORT TO: CLIENT: D'Brical & Crec ADDRESS: W.C. Andrews St Swit CITY: Sechest Start: Ny PHONE: 585-785-7709 ATTN: K. C. W. Gres Eak Matrix Codes: AQ-Aqueous Liquid NQ-Non-Aqueous Liquid NQ-Non-Aqueous Liquid 1-16-061813-5 1-17-061813-5 1-18-061813-6	CLIENT: Lavre AS Report Suite 710 ADDRESS: ATTN: WA-Water PHONE: WG-Groundwater WW-Wastewater SL-Sludge M C M T O B A O R C O	ILAB PROJECT ID IZIP: Quotation #: Email: KCVIW. GNOSZO K & OLGUN AR-Air SL-Sludge PT-Paint CK-Caulk AR-Air REMARKS REMARKS PARADIGM LA SAMPLE NUMBER NUMBER 1 2 3
6/18/13 800 X 1-16-061813-3 50 1 6/18/13 824 X 1-17-061813-6 50 1 6/18/13 0840 X 1-19-061813-6 50 1 6/18/13 0840 X 1-19-061813-4 50 1 6/18/13 0840 X 1-22-061813-1 50 1 6/18/13 0840 X 1-22-061813-1 50 1 6/18/13 0840 X 1-22-061813-1 50 1 6/18/13 0840 X 1-22-061813-2 50 1 6/18/13 0840 X 1-22-061813-2 50 1 6/18/13 0840 X 1-22-061813-2 50 1	TIME COLLECTED O C C		опооо по япияся ояпя-> чеоо Тока РСВ: 6082	REMARKS
6/18/13 824 X 1-17-06/8/3_5 SO 1 X 6/18/13 0840 X 1-18-06/8/3_6 SO 1 X 6/18/13 0853 X 1-18-06/8/3_2 SO 1 X 6/18/13 0820 X 1-21-06/8/3_1 SO 1 X 6/18/13 0820 X 1-22-06/8/3_1 SO 1 X 6/18/13 0828 X 1-23-06/8/3_1 SO 1 X 6/18/13 0828 X 1-23-06/8/3_2 SO 1 X	6/18/13 800	1-16-061813-3		
6/18/13 0853 X 1-19-06/8/3-4 SO 1 6/18/13 0904 X 1-20-06/8/3-2 SO 1 6/18/13 0928 X 1-22-06/8/3-1 SO 1 6/18/13 0928 X 1-23-06/8/3-1 SO 1 6/18/13 0928 X 1-23-06/8/3-2 SO 1 6/18/13 0928 X 1-23-06/8/3-2 SO 1	6/18/13 824	1-17-061813-6		Market State of the State of th
6/18/13 0904 X 1-20-06/18/3_2 SO 1 6/18/13 0910 X 1-21-06/18/3_1 SO 1 6/18/13 0920 X 1-22-06/18/3_1 SO 1 6/18/13 0928 X 1-22-06/18/3_2 SO 1 6/18/13 0928 X 1-24-06/18/3_2 SO 1 6/18/13 0942 X 1-24-06/18/3_2 SO 1	6/18/13 0853		_	K
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6/18/13 0928 X 1-23-061813-2 SO 1 - 6/18/13 0942 X 1-24-061813-5 SO 1 - 6/18/13 1018 X 2-06-061813-3	6/18/13 0920	1-22-06/813_1		
6/18/13 0942 X 1-24-061813-5 SO 1	6/18/13 0928	1-23-06/8/3-2	~	
6/18/13 1018 X 2-06-061813_3 SO 1	6/18/13	1-24-061813-5	50 1 *	A A A A A A A A A A A A A A A A A A A
	6/18/13	2-06-061913.3	ĺ	

Availability contingent upon lab approval; additional fees may apply.

Batch QC

X

Basic EDD

X

6 //8//3 Date/Time

1630

Total Cost:

6 /18 /1 Date/Time

1630

NYSDEC EDD

Relinguished by

Category B Category A

Rush 1 day Rush 2 day Rush 3 day Standard 5 day

please indicate

Other

Other EDD please indicate:

Received @ Lab By

Honck

6/18/13/710

Date/Time

Date/Time

1630

P.I.F.

please indicate:

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

CHAIN OF CUSTODY

Common C			D	Received @ Lab By	Other EDD please indicate:	Other please indicate:		Other please indicate:
Comparison Control C			Ch to	Coloto Colo				Rush 1 day
Continued Time Colophy			ate/Time	Received By		Category B		Rush 2 day
PARADIGN			ate/Time /,∽//, ⊃	Relinquished By	NYSDEC EDD	Category A		Rush 3 day
PARA DIGN Common		ioni Cost.	6/18/13	The state of the s	Basic EDD	3atch QC		Standard 5 day
Carry Color Colo		Total Cost:	1/8//5	14	oval; additional fees may apply.	t upon lab appro	bility contingent	Availa
DARADIGM CREATION REPORTION CORRESPONDED CORRESPOND CORRESPONDED CO			10/10		Report Supplements		nd Time	Turnarour
PARADIGM Core						9		10
Color Colo				And the second s		N		9
CARRA DICM CARRY CARRY REPORTIO CARRY CARR					14-06/1813	X	1620	-
PARADICIAN		0		-	-13-06/8131	7	1545	<u>`</u>
CHERT CYBOTA Stere CALLETTE CALLET		6			-12-061813	×	1415	1/8/
PARADIGM CHEFT: 0'B, 161 Store CHEFT: Science Store	ر ام		The state of the s	1 6	-11-06/8/3-1	ス		118/
PARADIGN CLEMP O'B		6	Miller	_	-10-061913-	ナ	1150	1181
PARADIGN CLEATE O'B THAT B GETTE REPORT TO: REPORT				_	l	X	1108	1/8//
PARADIGM CIEMT O'BATA & GATE ADDRESS: ACO AND PRIZE SET TO: CIEMT O'BATA & GATE AND PROJECT REFERENCE PHONE: 585-295-7709 Matrix Codes: ACUM A MATR	2	3		-	-061813-	て	1053	118/1
RADIGM CLIENT: D'Brith & Gere Andrews St Scite As Appellidentifier CLAB PRI LAB PRI LAB PRI LAB PRI LAB PRI LAB PRI LAB PRI LAB PRI LAB PRI LAB	8	3)	-07-061813_	大	1036	/18/
CLIENT: O'BTEN & GOOR TO: CLIENT: O'BTEN & GOOR TO: CLIENT: O'BTEN & GOOR TO: COTT: ROCKESS: 4CO ANDRESS: ATE 170 ADDRESS: PHONE: 585-7709 ATTN: KCUN Liquid AQ-Aqueous Liquid NQ-Non-Aqueous Liquid NQ-Non-Aqueous Liquid NQ-Non-Aqueous Liquid NQ-Non-Aqueous Liquid NG-Groundwater CLIENT: SILVE AS ROW A STATE: ZIP: Quotation #: Email: REQUESTED ANALYSIS CLIENT: SULVE AS ROW - VABPROVERS: ATTN: STATE: ZIP: Quotation #: PHONE: 585-709 REMAIL: CLIENT: STATE: ZIP: Quotation #: PHONE: SO-Solid WP-N NO-Non-Aqueous Liquid NG-Groundwater NW-Drinking Water SO-Solid WP-N NW-Wastewater SU-Sludge PT-Paint CK-C.	'ARADIGM LAB SAMPLE NUMBER			の m □ ○ ○ ○ □ ○ □ ○ □ ○ □ □ ○ □ □ ○ □ ○ □	SAMPLE IDENTIFIER		TIME COLLECTED	
CLIENT: O'Brien & Gree CLIENT: SILVE AS REPORT TO: COTTY: Rochest State: NY ZIP: 14604 CMTY: PHONE: 585-295-7709 Matrix Codes: AQ-Aqueous Liquid AQ-Aqueous Liquid AQ-Non-Aqueous Liquid MG-Groundwater MG-Groundwater MG-Groundwater CLIENT: SILVE AS Report COTTY: STATE: ZIP: Quotation #: PHONE: 585-295-7709 PHONE: MA-Water ATTN: K-U-N / g MdS Zg K MA-Water NG-Groundwater MG-Groundwater MW-Wastewater SO-Soil SD-Soild WP-W WG-Groundwater MW-Wastewater MW-Wastewater MW-Wastewater MY-Paint CK-C-			EQUESTED ANALYSIS					
CLIENT: O'BTEN & GEORT TO: CLIENT: O'BTEN & GEORGE ADDRESS: ACC ANDREWS 6+ SLIK 710 ADDRESS: OTT: ROCKEST: NY ZIP: 14604 OTT: PHONE: 585-295-7709 PHONE: PHONE: KCVIN 19 MOS 24 K ATTN: KCVIN	R - Air	WP - Wipe CK - Caulk			eous Aque		167	50
ARADIGM CLIENT: O'B, TEN & GOVE ADDRESS: 4CO ANDREWS 6+ SWITE 110 ADDRESS: OTTY: STATE: ZIP: Quotation #: PHONE: 585-295-7709 PHONE: 585-1709 PHONE: 585-	obg. com	Kenn. Ignasza Ken		ATTN:	Kevin		CT REFERE	PROJE
ARADIGM CLIENT: CYBRITA & GERE ADDRESS: 4CO ANDRESS: LAY ZIP: 14604 CITY: STATE: ZIP: Quotation #:		Email:		PHONE	585-295-7			
ARADIGM CLIENT: CYBTIAN & GEVE ADDRESS: 400 ANDRESS: 400 ANDRESS: 400 ANDRESS: 170 ADDRESS: 17	D			IP: 14604	Rochester STATE: N		Ĺ	Ź
ARADIGM CLIENT: O'Brien & GEPORT TO: CLIENT: Salve AS Report LAB PRI LA		190240		k 710	400 Andrews 6+			
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				(



Chain of Custody Supplement

Client:	086	Completed by:	EAH	
Lab Project ID:	/32240	Date:	6/18/13	
		ion Requirements 10/241/242/243/244		
N Condition	ELAC compliance with the sample Yes	e condition requirements upo No	on receipt N/A	
Container Type				
Comments				
Transferred to method- compliant container				
Headspace (<1 mL) Comments				
Preservation Comments				
Chlorine Absent (<0.10 ppm per test strip) Comments				
Holding Time Comments				
Temperature Comments	9°Ciced-pres.be	110-28 #1-16 Legun in field	pledGIT	
Sufficient Sample Quantity Comments				
				<u> </u>



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



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

<u>Analyte</u>	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



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

<u>Analyte</u>	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			

Method Reference(s):

EPA 8082A EPA 3550C



Client:

O'Brien & Gere Engineers, Inc.

Project Reference:

50162, 80 Steel Street

Sample Identifier:

3-06-061913_2

132261-03

Lab Sample ID: 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



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



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

<u>Analyte</u>	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



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 **Date Received:** 6/19/2013

9:10 AM

<u>PCBs</u>

<u>Analyte</u>	Result	<u>Units</u> Qua	llifier 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.



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

<u>Analyte</u>	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



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

<u>PCBs</u>

<u>Analyte</u>	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



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	<u>Units</u> 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
Mothed Reference(s). EDA 9092A			

Method Reference(s):

EPA 8082A

EPA 3550C



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

<u>Analyte</u>	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
Mothed Deference(s). EDA 9092A			

Method Reference(s):

EPA 8082A

EPA 3550C



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

<u>Analyte</u>	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



PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:

80 Steel Street

Lab Project Number: Lab Sample Number: 132261

Client Job Number: 50162

Field Location:

Date Sampled:

Blk 6/21

Field ID Number:

N/A N/A

Date Received:

N/A 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
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition 132261B1.XLS Page 13 of 20 requirements upon receipt.

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street

Field Location: Client Job Number: 50162 Ν

Sample Type: Field ID Number:

Soil

Lab Sample Number: LCS 6/21 Lab Project Number:

132261

SDG#: N/A

Date Sampled: Date Received: Date Analyzed: N N

06/25/2013

LCS Spiked LCS Results LCS Percent in mg / Kg in mg / K	ELAP Number 10958	Aroclor 1268	Spiked Compound
In mg / Kg Recovery in mg / Kg in mg / Kg Recovery 1.75 87.5 N/A N/A N/A N/A 1.75 87.5 N/A N/A N/A 1.75 87.5 N/A N/A N/A		< 0.400	Blank Results in mg / Kg
Recovery in mg / Kg in mg / Kg Recovery 87.5 N/A N/A N/A N/A N/A N/A N/A N/A		2.00	LCS Spiked in mg / Kg
in mg / Kg in mg / Kg Recovery N/A N/A N/A N/A		1.75	LCS Results in mg / Kg
in mg / Kg Recovery N/A N/A N/A		87.5	LCS Percent Recovery
Recovery N/A		N/A	MSD Spiked in mg / Kg
		N/A	MSD Results in mg / Kg
% RPD WA		N/A	MSD Percent Recovery
·-	lethod: EPA 8082	N/A	MS / MSD % RPD



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

SDG Group:

N/A

Date Sampled: Date Received:

Date Analyzed: 6/18,19/2013 06/19/2013 06/25/2013

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

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

Method: EPA 8082

ELAP Number 10958

* = Outside QC limits

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

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PCB Analysis QC Limits

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

Spiked Compound	l Soil Sp	Soil Spike Limits	Soil %	Soil % RPD Limits	Water Sp	Water Spike Limits	Water % RPD Limits	D Limits
	Lower %	Upper %	Lower %	Upper %	Lower %	Lower% Upper%	Lower %	Upper %
РСВ	55.8	148	N/A	65.1	26.1	113	N/A	56.9
Surrogate	Soil Surr Lower %	Soil Surrogate Limits ver % Upper %			Water Surr Lower %	Water Surrogate Limits Lower % Upper %		
TCmX DCBP	50.8 56.0	139 146			-9.32 33.2	92.8 126		
ELAP Number 10958							Ν	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 OC 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.

"I" = 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 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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BOLL 565-785 SHOHA	om: Rochestr STATE: Y ZIP: 14604	ADDRESS: 400 ANDREWS ST South 1710	CLIENTE O'BrIEN & GARC	REPORT TO:	CHAIN O
PHONE:	CITY: STATE: ZIP:	ADDRESS:	CLIENT: Same As Kepart	INVOICE TO:	CHAIN OF CUSTODY

) ;)	REPORT TO:	INVOICE TO:	
ス ン - G - S	CLIENT O' KINTER & CHOICE	CLIENT: Same As Report	LAB PROJECT ID
	ADDRESS: 400 ANNIEWS ST Scite 1710 ADDRESS:		132261
	CITY ROCKEST STATE Y ZIP: 14604	STATE: ZIP:	Quotation #ims 031313/4(2013)
	PHONE: 585-285, 7709	PHONE:	Email:
JECT REFERENCE	ATTN: Kern Jonaszak	ATTN:	Kevin, Iquastan a sogon
SCIEC			M/D Mino
	AO - Acuse i insid WA - Water	DW - Drinking Water SO - Soil	SD - Solid WH - Wipe CF - Cil



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Turnaround Time Availability contingent upon lab approval; additional fees may apply Standard 5 day Rush 3 day Rush 2 day Category A Category B Cher Please Indicate: Cher Cher	DATE COLLECTED TIME COLLECTED OF A G A 6 1/9/13 0827 X 1 6/18/13 0827 X 4 6/19/13 0827 X 5 6/19/13 0827 X 6 6/19/13 09/2 X 1 6/19/13 09/25 X 9 6/19/13 09/35 X 1 0 6/19/13 09/35 X	PROJECT REFERENCE SCIEZ SOS bed STreet
Report Supplements roval; additional fees may apply. Basic EDD NYSDEC EDD Other EDD please indicate:	SAMPLE IDENTIFIER 2-15-06/8/3_18 2-15-06/9/3_2 3-07-06/9/3_2 3-07-06/9/3_1 3-07-06/9/3_1 3-17-06/9/3_2 3-17-06/9/3_2 3-17-06/9/3_2 3-17-06/9/3_2	ADDRESS: 400 A Wirks 54 CITY: Colosto STATE: Y PHONE: 585 - 295 - 7709 ATTN: Kelvin Janaszak Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid NQ - Non-Aqueous Liquid
Sampled By Relinquished By Received B Received @ Lab By	N S S S S S S S S S S S S S S S S S S S	CLIENT: ADDRESS: PHONE: PHONE:
Date/Time Date/Time Color Color Date/Time Color Color Date/Time Date/Time		Same As Kepen-t
1345 Total Cost. 1345 P.I.E.	REMARKS	SD En Q
	PARADISM LAB SAMPLE NUMBER OF COLUMBER OF	ROJECT ID 13.3.3.13.13.4 45.2.2.15 Wilden Caulk

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		X						3-14-06/9/3-2	SAMPLE IDENTIFIER			ATTN. KEVIN JONESTAK	585-295	2	ADDRESS: Army Andrews Sit Swith THO	CLIENT: 1) PARTIES & CARROLLE
							-	20	X-7-7-8 0 M C O O O O O O O O O O O O O O O O O O		WA - Water WG - Groundwater	2	PHONE	ZIP; 460 \$ CITY:	ADDRESS:	CLIENT
3				The state of the s				*	Tobi PCBS 8082	REQUESTED ANALYSIS				STATE: ZIP:	8:	Same As Report
J'CICEN									REMARKS		SD - Solid WP - Wipe PT - Paint CK - Caulk	VENIN PRESENT OF SPORTON	Email:	Quotation #:	122261	LAB PROJECT ID
									PARADIGM LAB SAMPLE NUMBER		OL - OII AR - Air	Sopo-ton	٠.			

Rush 1 day

ilease indicate:

Other please indicate:

Other EDD please indicate:

Rush 2 day Rush 3 day

Category B Category A Standard 5 day

Batch QC

NYSDEC EDD Basic EDD

X

Total Cost:

Turnaround Time

Availability contingent upon lab approval; additional fees may apply.

Report Supplements

34.3



Chain of Custody Supplement

Client:	O'Brientbere 132261	Completed by:	Mail
Lab Project ID:	Sample Conditio	Date: on Requirements 0/241/242/243/244	
Condition	NELAC compliance with the sample of Yes	condition requirements upo No	n receipt N/A
Container Type Comment	s		
Transferred to method- compliant container Headspace (<1 mL)			
Comment Preservation Comment			
Chlorine Absent (<0.10 ppm per test strip) Comment	s		
Holding Time Comment	s		
Temperature Comment	z°Cicel		
Sufficient Sample Quantity Comment			
			·



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.

MALL

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



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

<u>Analyte</u>	Result	<u>Units</u> <u>Qualifier</u>	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



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

<u>Analyte</u>		Result	<u>Units</u> Qua	lifier 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

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CLENT: SAME REPORTS WA-Water WG-Groundwater DW-Drinking Water SO-Soil WW-Wastewater SL-Sludge WB R D R A N S S O E R N S S O E R N S S O E R N S S S O E R N S S S O E R N S S S O E R N S S S O E R N S S S O E R N S S S O E R N S S S S O E R N S S S S O E R N S S S S S S S S S S S S S S S S S S								×	×	ฃ≯ฆด		<u>5</u> `	,			. 1		
CLIENT: SAME REPORT ADDRESS: OTY: PHONE: PHONE: PHONE: DW - Drinking Water WW - Wastewater SL - Sludge WW - Parks 800 SL - Sludge REQUESTED ANALYSIS OF R N - PURS OF R N - PU								Grapple Wrpc	Frontend Loader Wipe	SAMPLE IDENTIFIER		Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid	ATTN: Kevin Gnaszak	PHONE: 585-295-7709	CITY: ROCHESTER STATE, NY	A	CLIENT O'IS _{II} IO & (SUE	数分数DORSESSESSESSESSESSESSESSESSESSESSESSESSES
NODRESS: STATE: WORESS: DW - Drinking Water WW - Wastewater SP - Soil WW - Wastewater SP - Shudge A - Call K- A -								WP	WP			WA - Water WG - Groundwater			ZIP: 14604			
Same As Report State: ZP: STATE: ZP: SUUGE REQUESTED ANALYSIS Call Kanalysis Call Kanalysis Sys.										ωππz->-4200		•	N. 12.	OHONE:	OTTY:	ADDRESS:	CLIENT:	West of the second seasons and the second se
20-Soil SL-Shudge Call Ke as result Ke as result Ke 585								\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		70k1 KK, 808 Z	REQUESTED ANAL	DW - Drinking Water WW - Wastewater			STATE:		. lo	
Quotation # Quotation # Email:									2	500	YSIS	SO - Soil SL - Sludge			ZP:	,	Report	
MS031313 MS0313131 WP-Wipe CK-Caulk CM/Cell#.	2026						OCH PRINCIPLE AND A STATE OF THE PRINCIPLE AN	585-303-6873	Call haven Weiner Be	REMARKS Call Keury lyngszak as soon as results are rn. call cell#. Asso. 585-752-6611		WP - Wipe CK - Caulk	REVIE GRESTER Westerson	Email:	Quotation #: MS031313A (rev 53313)	ーンメスムメ	LAB PROJECT ID	
A (Cev 53 3) OL-OII AR-Air PARADIGM LAB SAMPLE NUMBER								9	17	ļ		OL - Oil AR - Air	charcom		A (rev 523)			

Standard 5 day
Rush 3 day
Rush 2 day
Rush 1 day
Other
please indicate:

Other please indicate

Other EDD please indicate:

Turnaround Time

Availability contingent upon lab approval; additional fees may apply.

Report Supplements

Batch QC

X

N

Basic EDD

P.I.F.

Total Cost:

Category A Category B

> 12 12



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: Field Location:

N/A 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
I .	

ELAP Number 10958

Analytical Method: EPA 8082A

Prep Method: EPA 3550C

Comments: ug / Wipe = microgram per Wipe

Signature:

Bruce Hoogesteger. Technical Director
This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition 132248B1.XLS requirements upon receipt.

PCB Analysis Report for Soils/Solids/Sludges

Client: O'Brien & Gere Engineers, Inc.

Client Job Site: 80 Steel Street

Client Job Number: N N

Field Location: Field ID Number: Sample Type: Wipe N/A

Lab Project Number: 1322 Lab Sample Number: LCS 6/19

132248

SDG#: N/A

Date Sampled: Date Received: Date Analyzed: N A

06/20/2013

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

PCB Analysis Report for Surrogate Recoveries

Client: O'Brien & Gere Engineers, Inc.

Client Job Site:

80 Steel Street

Lab Project Number:

N N

Client Job Number: N/A

Sample Type:

Lab Sample Number

Field Number

Field Location

Decachlorobiphenyl

2,4,5,6-Tetrachloro-m-xylene % Recovery

113

N A

132248-01 132248-02

LCS 6/19 Blk 6/19

N N N N

Frontend Leader Wipe

90.5

106

95.9 84.6 105 2

Grapple Wipe

Wipe

Date Sampled: Date Received: Date Analyzed:

06/19/2013 06/19/2013 06/20/2013

132248

SDG Group:

Method: EPA 8082

ELAP Number 10958

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



PCB Analysis QC Limits

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

Sniked Compound	Soil Sn	Soil Snike imits	Soil %	Soil % RPD Limits	Water Sp	Water Spike Limits	Water % RPD Limits	D Limits
	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %	Lower %	Upper %
РСВ	55.8	148	N/A	65.1	26.1	113	N/A	56.9
Surrogate	Soil Surr Lower %	Soil Surrogate Limits ver % Upper %			Water Surr Lower %	Water Surrogate Limits Lower % Upper %		
TCmX DCBP	50.8 56.0	139 146			-9.32 33.2	92.8 126		
ELAP Number 10958							7	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:

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[&]quot;<" = Analyzed for but not detected at or above the quantitation limit.

[&]quot;E" = Result has been estimated, calibration limit exceeded.

[&]quot;Z" = See case narrative.

[&]quot;D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

[&]quot;M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

[&]quot;B" = Method blank contained trace levels of analyte. Refer to included method blank report.

[&]quot;V" = Sample concentration is >10 times the spike. No meaningful Spike Recovery can be calculated.

[&]quot;I" = Result estimated between the quantitation limit and half the quantitation limit.

[&]quot;L" = Laboratory Control Sample recovery outside accepted QC limits.

[&]quot;C" = Concentration differs by more than 40% between the primary and secondary analytical columns.



CHAIN OF CUSTODY

Turnaround Time Report Supplements Availability contingent upon lab approval; additional fees may apply. Standard 5 day Rush 3 day Rush 2 day Rush 1 day Other please indicate: Please indicate: Report Supplements Report Supplements Report Supplements Basic EDD NYSDEC EDD NYSDEC EDD Other EDD please indicate: Other EDD	1 6 19 13 1100 X 2 6 19 13 1157 X 4 4 8 9 9 9	DATE COLLECTED TIME COLLECTED P R R S B	PROJECT REFERENCE 80 Steel Street per Quote Might	PARADIGM
Report Supplements X	Grapple Wipe	SAMPLE IDENTIF	PHONE: 585-245-7709 ATTN: Kevn graszak Matrix Codes: AQ-Aqueous Liquid NQ-Non-Aqueous Liquid	CLIENT: OBYTEN & CAR ADDRESS: NOW AND ABOUT STATE!
Sampled By Date/Time Repeived By Date/Time Date/Time Date/Time	WP 1 X	70 20 20 20 20 20 20 20 20 20 20 20 20 20	WA - Water WG - Groundwater WW - Wastewater REQUESTED ANALYSIS	TOP: ADDRESS: Same HE RO
me	200.00 Warner 8273		SO - Soil SL - Sludge	LAB PROJECT ID 13348 ZIP: Quotation #: MS031313





Chain of Custody Supplement

Client: Lab Project ID:	O'Brien+ Gere 132248	Completed by:	mail (19/13
Lab Fluject ID:	Sample Condition R Per NELAC/ELAP 210/24	lequirements	() , , , , , , , , , , , , , , , , , , ,
Condition	NELAC compliance with the sample cond Yes	lition requirements up No	oon receipt N/A
Container Type Comments			
Transferred to method- compliant container			
Headspace (<1 mL) Comment	s		—
Preservation Comment	s		
Chlorine Absent (<0.10 ppm per test strip)	s		
Holding Time	s		
Temperature Commen	zs Zociced		
Sufficient Sample Quantity			