

RELEASE ABATEMENT MEASURE STATUS REPORT

SOIL EXCAVATION AND REMOVAL AT THE ACQUIRED RESIDENTIAL PROPERTIES

NEW BEDFORD, MASSACHUSETTS

Release Tracking Number 4-15685

Prepared for:

City of New Bedford
133 William Street
New Bedford, Massachusetts 02740

Prepared by:

TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854
(978) 970-5600

October 2013

ACRONYMS

MassDEP	Massachusetts Department of Environmental Protection
MCP	Massachusetts Contingency Plan
MG/KG	Milligrams per Kilogram
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
RAM	Release Abatement Measure
RTN	Release Tracking Number
SVOC	Semi-volatile Organic Compound
TCE	Trichloroethylene
TRC	TRC Environmental Corporation
TSCA	Toxic Substances Control Act
µg/L	Micrograms per Liter
VOC	Volatile Organic Compound

TABLE OF CONTENTS

ACRONYMS.....	i
1.0 INTRODUCTION	1
2.0 RELEASE ABATEMENT MEASURE STATUS REPORT (310 CMR 40.0445)	2
2.1 The Status of Response Operations	2
2.1.1 Soil Pre-characterization Activities at 101 Greenwood Street	2
2.1.2 Soil Pre-characterization Activities at 102 Greenwood Street	3
2.1.3 Groundwater Monitoring Well Installation and Sampling Activities at 102 Greenwood Street.....	4
2.2 Significant New Site Information or Data	4
2.2.1 Soil Pre-characterization Results at 101 Greenwood Street	5
2.2.2 Soil Pre-characterization Results at 102 Greenwood Street	5
2.2.3 Groundwater Sampling Results at 102 Greenwood Street	6
2.3 Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater, and/or Remedial Additives.....	7
2.4 Other Necessary Information.....	7
2.5 LSP Opinion.....	8
3.0 REFERENCES	9

FIGURES

Figure 1	Site Location Map
Figure 2	Pre-characterization Investigation Plan

TABLES

Table 1	Summary of Pre-characterization Investigation PCB Soil Analytical Results – 101 Greenwood Street
Table 2	Summary of Pre-characterization Investigation PCB Soil Analytical Results – 102 Greenwood Street
Table 3	Summary of Pre-characterization Investigation VOC Soil Analytical Results – 102 Greenwood Street
Table 4	Summary of Pre-characterization Investigation Groundwater Analytical Results – 102 Greenwood Street

APPENDICES

Appendix A	Soil Boring and Monitoring Well Construction Logs
Appendix B	Data Validation Reports
Appendix C	Groundwater Sampling Forms
Appendix D	Laboratory Reports
Appendix E	Letter to EPA dated September 12, 2013

1.0 INTRODUCTION

TRC Environmental Corporation (TRC) prepared this Release Abatement Measure Status Report (RAM Status Report) for the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford (City) per 310 CMR 40.0445 of the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000). The RAM addresses soil removal and site restoration activities to be conducted at the properties located at 101, 102, and 111 Greenwood Street, and 98, 108, and 118 Ruggles Street (hereinafter “Acquired Residential Properties”) under a RAM Plan submitted to MassDEP on December 18, 2012 (TRC, 2012). However, note that this RAM Status Report specifically summarizes activities performed at 101 and 102 Greenwood Street (“the Site”) during this reporting period, since response actions were not performed at the remaining parcels comprising the Acquired Residential Properties during the reporting timeframe.

The Acquired Residential Properties are a portion of the disposal site managed under the MCP and tracked by MassDEP under Release Tracking Number (RTN) 4-15685. Response actions at the Site are conducted under a MCP Special Project Designation Permit (310 CMR 40.0060) that has been established for RTN 4-15685 and other related RTNs. A Site Location Map is provided as Figure 1. Additional information about proposed RAM activities at the Acquired Residential Properties is provided in the RAM Plan.

This RAM Status Report is organized as follows: Section 1.0 (Introduction) briefly summarizes background information pertaining to RAM-related activities. Section 2.0 (RAM Status Report) provides the information required for a RAM Status Report per the MCP (310 CMR 40.0445). Section 3.0 (References) lists information sources relied upon in the preparation of this RAM Status Report.

2.0 RELEASE ABATEMENT MEASURE STATUS REPORT (310 CMR 40.0445)

This RAM Status Report is organized according to the information needs set forth under 310 CMR 40.0445(2)(a) through (e) of the MCP.

2.1 The Status of Response Operations

Following submittal of the RAM Plan in December 2012, preliminary Site investigation activities (e.g., Digsafe notification, surveying/marketing proposed boring locations, etc.) were initiated in March 2013.

2.1.1 Soil Pre-characterization Activities at 101 Greenwood Street

Soil pre-characterization sampling was conducted at 101 Greenwood Street during April 2-5, 2013, May 15-16, 2013, and on June 19, 2013.

Boring locations were surveyed and marked in advance by a licensed surveyor, Land Planning, Incorporated of Hansen, Massachusetts (Land Planning). Drilling services and equipment were provided by New England Geotech, LLC of Jamestown, Rhode Island (New England Geotech), under TRC field supervision.

The soil pre-characterization targeted proposed remedial excavation areas where soil with PCB concentrations in excess of 50 milligrams per kilogram (mg/kg) were encountered in prior investigations. The pre-characterization was performed per the methodology set forth in the RAM Plan. A total of 69 soil borings were iteratively advanced at 101 Greenwood Street via Geoprobe[®] direct push methods using a truck- or track-mounted drill rig. The borings were located using a 1.5-meter sampling grid overlaid on the proposed excavation areas per 40 CFR §761.283. The boring locations are illustrated on the Pre-characterization Investigation Plan provided as Figure 2.

Soil samples from the borings were visually examined in the field for evidence of potential impacts and field screened with a photoionization detector (PID) using the MassDEP jar headspace methodology. Samples were collected and analyzed from boring locations within the proposed excavation areas at the proposed depths of the excavations, and from borings located along the edges of the proposed excavations at pre-determined depths corresponding to the previously identified PCB impacts in those areas. Deeper samples were analyzed from the borings located within the proposed excavation areas when initial sample results indicated PCB concentrations greater than or equal to 50 mg/kg, and additional borings were advanced outwardly per the 1.5 meter grid when PCBs were detected in soil at those levels in borings along the edges of the proposed excavations. Soil boring logs are included in Appendix A.

The soil samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts (Con-Test) for analysis. The samples were extracted using SW-846 Method 3540C (Soxhlet extraction) and analyzed for PCBs using SW-846 Method 8082.

PCB Aroclor sample data were assessed using the EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, revised December 1996.

Modification of these guidelines was performed to accommodate the non-CLP methodology. Although there were select quality control (QC) nonconformances, the data are valid as reported and may be used for decision-making purposes. Data validation reports are included on disc in Appendix B.

2.1.2 Soil Pre-characterization Activities at 102 Greenwood Street

Soil pre-characterization sampling was conducted at 102 Greenwood Street during April 1-2, 2013, May 14-16, 2013, June 19, 2013, June 27-28, 2013, July 19, 2013, August 21, 2013, and September 19, 2013.

Boring locations were surveyed and marked in advance by Land Planning. Drilling services and equipment were provided by New England Geotech under TRC field supervision.

The soil pre-characterization was performed consistent with the methodology employed at 101 Greenwood Street, as discussed above in Section 2.1.1. A total of 62 soil borings were iteratively advanced at 102 Greenwood Street via Geoprobe® direct push methods using a truck- or track-mounted drill rig. The borings were located using a 1.5-meter sampling grid overlaid on the proposed excavation areas per 40 CFR §761.283. The boring locations are illustrated on the Pre-characterization Investigation Plan provided as Figure 2.

Soil samples from the borings were visually examined in the field for evidence of potential impacts and field screened with a PID using the MassDEP jar headspace methodology. Samples were collected and analyzed from boring locations within the proposed excavation areas at the proposed depths of the excavations, and from borings located along the edges of the proposed excavations at pre-determined depths corresponding to the previously identified PCB impacts in those areas. Deeper samples were analyzed from the borings located within the proposed excavation areas when initial sample results indicated PCB concentrations greater than or equal to 50 mg/kg, and additional borings were advanced outwardly per the 1.5 meter grid when PCBs were detected in soil at those levels in borings along the edges of the proposed excavations. Soil boring logs are included in Appendix A.

The soil samples were submitted to Con-Test for analysis. The samples were extracted using SW-846 Method 3540C (Soxhlet extraction) and analyzed for PCBs using SW-846 Method 8082. Due to slightly elevated headspace readings, five soil samples from boring locations 102EX1SB1B-1B, 102EX1SB2A-1C1, 102EX1SB2A-2, and 102EX1SB2A-2A were also analyzed for volatile organic compounds (VOCs) using SW-846 Method 8260C.

PCB Aroclor sample data were assessed using the EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, revised December 1996. Modification of these guidelines was performed to accommodate the non-CLP methodology. An MCP Data Usability Assessment was conducted for the VOC sample analyses. Although there were select QC nonconformances, the data are valid as reported and may be used for decision-making purposes. Data validation reports for the PCB analyses are included on disc in Appendix B, with the exception of sampling data from the September 19, 2013 sampling event. A limited review was performed on the PCB data from the September 19, 2013 sampling event; full data validation is currently underway for this data and the data validation report will be

included in a subsequent MCP report.

2.1.3 Groundwater Monitoring Well Installation and Sampling Activities at 102 Greenwood Street

Three new groundwater monitoring wells (MW-43, MW-44, and MW-45) were installed at the 102 Greenwood Street portion of the Site on September 19, 2013. The monitoring well locations were surveyed and marked in advance by Land Planning, and were installed by New England Geotech under TRC field supervision.

The wells were constructed with the well screens across the water table, based on observations made during boring advancement, and were completed at the surface as flush-mounted installations. The location of the monitoring wells is identified on Figure 2. The well construction information and depth to water (as measured on September 27, 2013) are summarized below. Well construction logs are provided in Appendix A.

Monitoring Well Construction Information				
Well ID	Date of Installation	Total Depth (ft bgs)	Screen Interval (feet)	Depth to Water (ft btor)
MW-43	9/19/2013	19	9-19	11.20
MW-44	9/19/2013	19	9-19	11.05
MW-45	9/19/2013	19	9-19	11.47

Notes:

ft bgs – feet below ground surface

ft btor – feet below top of PVC riser

The wells were developed on September 19, 2013 by removing a minimum of three well volumes from each well. The well elevations will be surveyed at a later date.

Following an equilibration period, groundwater samples were collected from the new monitoring wells on September 27, 2013 using a bladder pump and dedicated Teflon[®]-lined tubing via the low-flow method. During purging of the monitoring wells, groundwater was monitored for dissolved oxygen, temperature, oxidation/reduction potential, conductivity, pH, turbidity, and depth to water (as measured from the top of the well riser). Groundwater sampling forms are included in Appendix C.

The groundwater samples collected on September 27, 2013 were analyzed by Con-Test for PCBs, VOCs, semi-volatile organic compounds (SVOCs), and total and dissolved MCP metals. The samples were analyzed for PCBs using SW-846 Method 8082, SVOCs using SW-846 Method 8270D, VOCs by SW-846 Method 8260B, and MCP metals by SW-846 Methods 6010C/7470A.

2.2 Significant New Site Information or Data

Results of pre-characterization investigation sampling activities performed during the reporting period are discussed below.

2.2.1 Soil Pre-characterization Results at 101 Greenwood Street

A total of 171 soil samples were collected and analyzed for PCBs during the pre-characterization investigation at 101 Greenwood Street. Total PCB concentrations greater than 50 mg/kg were detected in a total of 18 samples across 14 boring locations. Sample concentrations greater than 50 mg/kg PCBs ranged from 53 mg/kg at sample location 1014DSB1 to 7,600 mg/kg at sample location 1014DSB3-A (5-7 feet below grade). The pre-characterization investigation sample results for 101 Greenwood Street are provided in Table 1 and the laboratory analytical reports are included in Appendix D. Pre-characterization investigation soil boring and historical soil sample locations, and the sample concentrations in excess of 50 mg/kg, are shown on Figure 2; boring locations and sample depths with no PCB concentrations detected above 50 mg/kg are also provided. Refer to Table 1 for the complete list of investigation results.

The soil pre-characterization investigation has been completed at the 101 Greenwood Street portion of the Site. In accordance with the conditional approval provided by the United States Environmental Protection Agency (EPA) in a December 10, 2012 letter to the City (see Appendix A of the RAM Plan [TRC, 2012]), TRC submitted the investigation results to EPA in a letter dated September 12, 2013. The letter was provided prior to conducting soil removal actions at the Site, along with a revised remedial plan for the work due to the increase in soil volume potentially subject to excavation, per the conditional approval. In the letter, TRC and the City sought concurrence on the completeness of the pre-characterization investigation before finalization of the remedy plans. The December 10, 2012 letter is included as Appendix E.

2.2.2 Soil Pre-characterization Results at 102 Greenwood Street

A total of 207 soil samples were collected and analyzed for PCBs during the pre-characterization investigation at 102 Greenwood Street. Total PCB concentrations greater than 50 mg/kg were detected in a total of 64 samples across 30 boring locations. Sample concentrations greater than 50 mg/kg PCBs ranged from 55 mg/kg at sample location 102EX1SB2-A to 100,000 mg/kg at sample location 102EX1SB2 (3-5 feet below grade). The pre-characterization investigation sample results for PCBs are provided in Table 2 and the laboratory analytical reports are included in Appendix D. Pre-characterization investigation soil boring and historical soil sample locations, and the PCB concentrations in excess of 50 mg/kg, are shown on Figure 2; boring locations and sample depths with no PCB concentrations detected above 50 mg/kg are also provided. Refer to Table 2 for the complete list of PCB results for 102 Greenwood Street.

Five soil samples analyzed for VOCs during the pre-characterization investigation at 102 Greenwood Street. VOC samples were collected from boring locations 102EX1SB1B-1B at 5-7 feet, 102EX1SB2A-1C1 at 5-7 and 7-9 feet, 102EX1SB2A-2 at 4-6 feet, and 102EX1SB2A-2A at 3-5 feet. The sampling results indicate detections of the following VOCs:

- Dichlorofluoromethane was detected in all five samples at concentrations ranging from 0.0068 mg/kg at sample location 102EX1SB2A-1C1 (7-9 feet) to 0.019 mg/kg at sample location 102EX1SB2A-1C1 (5-7 feet);

- cis-1,2-Dichloroethylene was detected all five samples at concentrations ranging from 0.0057 mg/kg at sample location 102EX1SB1B-1B (5-7 feet) to 0.027 mg/kg at sample location 102EX1SB2A-1C1 (5-7 feet);
- trans-1,2-Dichloroethylene was detected in four of the five samples at concentrations ranging from 0.0019 mg/kg at sample location 102EX1SB2A-2A (3-5 feet) to 0.0028 mg/kg at sample location 102EX1SB2A-2A (3-5 feet);
- Tetrachloroethylene was detected in one of the five samples at a concentration of 0.0012 mg/kg at sample location 102EX1SB2A-2A (7-9 feet);
- 1,1,2-Trichloroethane was detected in four of the five samples at concentrations ranging from 0.0021 mg/kg at sample location 102EX1SB2A-2A (3-5 feet) to 0.0075 mg/kg at sample location 102EX1SB2A-2A (7-9 feet); and
- Trichloroethylene (TCE) was detected in all five samples at concentrations ranging from 11 mg/kg at sample location 102EX1SB1B-1B (5-7 feet) to 44 mg/kg at sample location 102EX1SB2A-2 (4-6 feet).

VOC analytical results for soils at 102 Greenwood Street are provided in Table 3.

The soil pre-characterization investigation continues at the 102 Greenwood Street portion of the Site. Upon completion of the investigation, TRC will submit the results to EPA for approval, in accordance with the conditional approval provided by EPA in the December 10, 2012 letter to the City.

2.2.3 Groundwater Sampling Results at 102 Greenwood Street

Groundwater samples were collected from the three newly installed Site monitoring wells (MW-43, MW-44, and MW-45) by TRC on September 27, 2013. The samples were analyzed by Con-Test for PCBs, VOCs, SVOCs, and total and dissolved MCP metals, as described above in Section 2.1.3.

The laboratory analytical results for the groundwater samples, including prior sampling results from groundwater monitoring well MW-36 (installed at 102 Greenwood Street in December 2010 and sampled in January 2011), are provided in Table 4. Where duplicate samples were collected, the maximum results are cited below. Monitoring well locations are depicted on Figure 2.

The September 27, 2013 groundwater sampling results indicate the following:

Groundwater PCB Results

Groundwater analytical results indicate PCBs were not detected in any samples from the three new wells.

Groundwater VOC Results

Groundwater analytical results indicate the detection of TCE in the sample from MW-45 at a concentration of 1.4 µg/L. No other VOCs were detected.

Groundwater SVOC Results

Groundwater analytical results indicate the detection of phenanthrene in the sample from MW-44 at a concentration of 0.11 µg/L. No other SVOCs were detected.

Groundwater MCP Metals Results

Groundwater analytical results indicate the detection of the following total metals:

- Total antimony was detected in the sample from MW-44 at a concentration of 1.1 µg/L;
- Total barium was detected in all three samples at concentrations ranging from 24 µg/L at MW-44 to 91 µg/L at MW-43;
- Total chromium was detected in the sample from MW-44 at a concentration of 2.1 µg/L;
- Total lead was detected in all three samples at concentrations ranging from 1.2 µg/L at MW-45 to 1.4 µg/L at MW-43; and
- Total zinc was detected the sample from MW-45 at a concentration of 36 µg/L.

Groundwater analytical results indicate the detection of the following dissolved metals:

- Dissolved antimony was detected in the sample from MW-44 at a concentration of 1.2 µg/L;
- Dissolved barium was detected in all three samples at concentrations ranging from 19 µg/L at MW-44 to 84 µg/L at MW-43;
- Dissolved nickel was detected in all three samples at concentrations ranging from 5.7 µg/L at MW-43 to 8.8 µg/L at MW-45; and
- Dissolved zinc was detected in all three samples at concentrations ranging from 43 µg/L at MW-43 to 46 µg/L at MW-45.

2.3 Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater, and/or Remedial Additives

No remediation waste, remedial wastewater or remedial additives were generated at the Site during the reporting period. Please refer to the RAM Plan (TRC, 2012) for details regarding the proposed management of remedial wastes.

2.4 Other Necessary Information

No additional information is required in association with this RAM Status Report.

2.5 LSP Opinion

The objective of this RAM Status report is to apprise MassDEP of the City's activities at the Acquired Residential Properties.

This RAM Status Report has been prepared in accordance with 310 CMR 40.0445 per the MCP.



David M. Sullivan, LSP
TRC Environmental Corporation
Licensed Site Professional No. 1488

10/16/2013
Date



Stamp

3.0 REFERENCES

TRC, 2012 *Release Abatement Measure Plan, Soil Excavation and Removal at the Acquired Residential Properties, Parker Street Waste Site, New Bedford, Massachusetts.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. December 2012.

TABLES

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	101EX1SB1				101EX1SB1-A				101EX1SB2					101EX1SB3		101EX1SB3-A
		3-4.5 4/2/2013	4.5-6 4/2/2013	6-8 4/2/2013	8-10 4/2/2013	3-5 5/15/2013	5-7 5/15/2013	5-7 5/15/2013 Field Dup	7-9 5/15/2013	3-4.5 4/2/2013	4.5-6 4/2/2013	6-8 4/2/2013	8-9 4/2/2013	9-11 4/2/2013	3-5 4/2/2013	5-7 4/2/2013	3-5 5/15/2013
PCBs (mg/kg)	Aroclor-1016	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1221	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1232	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1242	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1248	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	2.9 J	2.4 J	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1254	0.52 U	1,300	170	1.2	0.48 U	14 J	9.0	0.99	0.48 U	43	4.1 J	3.4 J	0.42 UJ	76	0.12 U	0.10 U
	Aroclor-1260	0.69	210 U	27 U	0.15 U	5.1 J	2.5 U	2.5 U	0.49 U	0.51	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1262	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Aroclor-1268	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U	0.10 U
	Total PCBs	0.69	1,300	170	1.2	5.1 J	14 J	9.0	0.99	0.51	43	7.0 J	5.8 J	0.42 UJ	76	0.12 U	0.10 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detected.

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date: Analyte	101EX1SB3-	101EX1SB4		101EX1SB5			101EX1SB6		101EX2SB1		101EX2SB1-A		101EX2SB2		101EX2SB3	
		B	3-5	5-7	3-5	3-5	5-7	3-5	5-7	3-5	5-7	3-5	5-7	3-5	5-7	3-5	5-7
		5/15/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	5/15/2013	5/15/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013
PCBs (mg/kg)																	
	Aroclor-1016	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Aroclor-1221	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Aroclor-1232	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Aroclor-1242	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Aroclor-1248	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Aroclor-1254	1.8	1.1 J	4.6 J	8.9	9.0	45	7.2	0.15 U	95 J	42	50 J	13 J	15 J	5.1	29 J	13
	Aroclor-1260	0.42 U	1.4 J	0.54 J	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	3.1 J	0.58 U	5.7 J	2.6 U
	Aroclor-1262	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Aroclor-1268	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U	5.0 U	2.6 U
	Total PCBs	1.8	2.5 J	5.14 J	8.9	9.0	45	7.2	0.15 U	95 J	42	50 J	13 J	18.1 J	5.1	34.7 J	13

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	101EX2SB4		101EX2SB5			101EX2SB5-A		101EX2SB6	101EX2SB7	101EX2SB8		101EX2SB9		101EX2SB9-A	
		3-5	5-7	3-5	5-7	7-9	3-5	5-7	7-9	7-9	3-5	5-7	3-5	5-7	5-7	7-9
		4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	5/15/2013	5/15/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/3/2013	4/3/2013	5/15/2013	5/15/2013
PCBs (mg/kg)	Aroclor-1016	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1221	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1232	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1242	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1248	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1254	32	0.32	40 J	77	0.65	10 J	14	0.47 UJ	1.5	1.6 J	26	19	43	76	13 J
	Aroclor-1260	5.3 U	0.13 U	8.2 J	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.64 J	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1262	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Aroclor-1268	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U	9.9 U	2.9 U
	Total PCBs	32	0.32	48.2 J	77	0.65	10 J	14	0.47 UJ	1.5	2.24 J	26	19	43	76	13 J

Notes:

mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	101EX2SB9-A1		101EX2SB10	101EX2SB11			101EX2SB12		101EX2SB13			101EX2SB1 3-A	101EX2SB14		101EX2SB15
		5-7 6/19/2013	7-9 6/19/2013	7-9 4/3/2013	3-5 4/3/2013	3-5 4/3/2013 Field Dup	5-7 4/3/2013	3-5 4/3/2013	5-7 4/3/2013	3-5 4/3/2013	5-7 4/3/2013	7-9 4/3/2013	5-7 5/15/2013	3-5 4/3/2013	5-7 4/3/2013	7-9 4/3/2013
PCBs (mg/kg)	Aroclor-1016	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1221	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1232	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1242	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1248	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1254	40	12	0.44 UJ	24	29	9.4	33	0.17	8.3	75	29	5.4 J	13	2.2	0.39
	Aroclor-1260	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1262	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Aroclor-1268	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ	2.7 U	0.48 U	0.24 U
	Total PCBs	40	12	0.44 UJ	24	29	9.4	33	0.17	8.3	75	29	5.4 J	13	2.2	0.39

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date: Analyte	101EX2SB16		101EX2SB17		101EX2SB18	101EX2SB19	101EX2SB20		101EX2SB21	101EX2SB22			101EX2SB23		
		3-5	5-7	3-5	5-7	7-9	7-9	3-5	5-7	3-4.5	3-5	5-7	7-9	3-5	3-5	5-7
		4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/4/2013	4/4/2013 Field Dup	4/4/2013
PCBs (mg/kg)	Aroclor-1016	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Aroclor-1221	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Aroclor-1232	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Aroclor-1242	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Aroclor-1248	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Aroclor-1254	0.92 U	0.33 J	12	23	3.9	0.43	4.4 J	0.13 U	1.2	15	63	0.53	34 J	37	32
	Aroclor-1260	0.92 U	0.17 J	2.5 U	2.8 U	1.0 U	0.24 U	1.0 J	0.19 J	0.51 U	2.6 U	5.4 U	0.29 U	5.4 J	4.9 U	5.2 U
	Aroclor-1262	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Aroclor-1268	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U	5.0 U	4.9 U	5.2 U
	Total PCBs	0.92 U	0.50 J	12	23	3.9	0.43	5.4 J	0.19 J	1.2	15	63	0.53	39.4 J	37	32

Notes:
mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	101EX2SB24				101EX2SB2 4-A	101EX2SB2 4-B	101EX3SB1		101EX3SB2			101EX3SB3		
		3-5 4/4/2013	5-7 4/4/2013	7-9 4/4/2013	9-11 4/4/2013	5-7 5/15/2013	5-7 5/15/2013	1-2 4/4/2013	3-4 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013
PCBs (mg/kg)	Aroclor-1016	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1221	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1232	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1242	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1248	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1254	13	800	8.7	35	0.13 U	4.7 J	1.8	3.9 J	7.9 J	7.2	30	16	14	24
	Aroclor-1260	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.65 J	1.7 J	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1262	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Aroclor-1268	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.82	1.1 U	1.0 U	5.7 U	2.5 U	2.5 U	2.7 U
	Total PCBs	13	800	8.7	35	0.13 U	4.7 J	1.8	5.37 J	9.6 J	7.2	30	16	14	24

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date: Analyte	101EX3SB4			101EX3SB5	101EX3SB6			101EX3SB7			101EX3SB8	101EX3SB9			
		1-3	3-5	5-7	7-9	1-3	3-5	5-7	1-3	3-5	5-7	7-9	1-3	3-5	3-5	5-7
		4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013
PCBs (mg/kg)	Aroclor-1016	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Aroclor-1221	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Aroclor-1232	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Aroclor-1242	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Aroclor-1248	0.56 U	0.49 U	2.1 J	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Aroclor-1254	3.2 J	2.5 J	2.8 J	0.66	41 J	7.2 J	8.7	19 J	1.4 J	8.6 J	1.0	15	6.4 J	7.0 J	13
	Aroclor-1260	0.93 J	0.65 J	0.53 U	0.24 U	5.4 J	2.3 J	1.1 U	2.8 J	3.0 J	1.9 J	0.90 U	2.4 U	1.5 J	1.4 J	2.8 U
	Aroclor-1262	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Aroclor-1268	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U	2.4 U	1.1 U	1.1 U	2.8 U
	Total PCBs	4.13 J	3.15 J	4.9 J	0.66	46.4 J	9.5 J	8.7	21.8 J	4.4 J	10.5 J	1.0	15	7.9 J	8.4 J	13

Notes:

mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date: Analyte	101EX3SB10			101EX3SB11			101EX3SB12			101EX3SB13			101EX3SB14			
		1-3	3-5	5-7	1-3	3-5	5-7	1-3	3-5	5-7	1-3	3-5	5-7	1-3	3-5	4	5-7
		4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/4/2013	4/5/2013	4/5/2013	4/5/2013
PCBs (mg/kg)	Aroclor-1016	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Aroclor-1221	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Aroclor-1232	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Aroclor-1242	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Aroclor-1248	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Aroclor-1254	16	4.0 J	18	78	4.7 J	13	12	1.5 J	5.7 J	4.6 J	0.74	11	18	1.5 J	1.9 J	16
	Aroclor-1260	2.6 U	1.3 J	2.5 U	13 U	1.4 J	2.6 U	2.4 U	4.2 J	1.5 J	0.95 J	0.51 U	2.7 U	2.3 U	0.84 J	0.93 J	2.8 U
	Aroclor-1262	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Aroclor-1268	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U
	Total PCBs	16	5.3 J	18	78	6.1 J	13	12	5.7 J	7.2 J	5.55 J	0.74	11	18	2.34 J	2.83 J	16

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date: Analyte	1014DSB1					1014DSB1-A					1014DSB1-B			
		3-5	5-7	7-9	9-11	11-13	3-5	5-7	7-9	9-11	9-11	3-5	5-7	7-9	9-11
		4/5/2013	4/5/2013	4/5/2013	4/5/2013	5/16/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013 Field Dup	5/15/2013	5/15/2013	5/15/2013	5/15/2013
PCBs (mg/kg)	Aroclor-1016	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ
	Aroclor-1221	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ
	Aroclor-1232	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ
	Aroclor-1242	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ
	Aroclor-1248	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ
	Aroclor-1254	1.9 J	2.1 J	95	53 J	0.48 UJ	1.4 J	1.5 J	3.0 J	1.3 J	1.6 J	1.4 J	18	3.7 J	0.43 J
	Aroclor-1260	0.71 J	0.84 J	10 U	8.5 UJ	0.48 UJ	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ
	Aroclor-1262	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ
	Aroclor-1268	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ
	Total PCBs	2.61 J	2.94 J	95	53 J	0.48 UJ	1.4 J	1.5 J	3.0 J	1.3 J	1.6 J	1.4 J	18	3.7 J	0.43 J

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	1014DSB2			1014DSB3			1014DSB3-A				1014DSB3-A1			1014DSB3-A1A	
		3-5 4/5/2013	5-7 4/5/2013	7-9 4/5/2013	3-5 4/5/2013	5-7 4/5/2013	7-9 4/5/2013	3-5 5/15/2013	5-7 5/15/2013	7-9 5/15/2013	9-12 5/15/2013	5-7 6/19/2013	7-9 6/19/2013	9-11 6/19/2013	5-7 6/19/2013	7-9 6/19/2013
PCBs (mg/kg)	Aroclor-1016	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Aroclor-1221	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Aroclor-1232	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Aroclor-1242	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Aroclor-1248	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Aroclor-1254	4.7 J	26	9.2 J	120	470	44	1.5 J	7,600	21	1.7 J	140	81	8.8	2.7	19
	Aroclor-1260	1.5 J	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.99 J	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.93	2.7 U
	Aroclor-1262	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Aroclor-1268	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U
	Total PCBs	6.2 J	26	9.2 J	120	470	44	2.49 J	7,600	21	1.7 J	140	81	8.8	3.63	19

Notes:

mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 1014DSB3-B		1014DSB3-B-1		1016ASB1					1016ASB1-A	1016ASB1-B	1016ASB2					
		Sample Depth (ft.):	3-5	5-7	5-7	7-9	1-3	3-5	3-5	5-7	7-9	1-3	1-3	1-3	1-3	3-5	5-7	7-9
		Sample Date:	5/15/2013	5/15/2013	5/16/2013	5/16/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	5/15/2013	5/15/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
PCBs																		
(mg/kg)	Aroclor-1016	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	
	Aroclor-1221	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	
	Aroclor-1232	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	
	Aroclor-1242	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	
	Aroclor-1248	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	1.1 J	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.59 J	0.99 U	0.58 U	
	Aroclor-1254	0.50 UJ	15	24 J	26 J	95	13	4.6 J	0.50	2	40	26	25	20	2.8 J	7.8	1.9	
	Aroclor-1260	1.1 J	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	1.3 J	0.49 U	1 U	4.6 U	4.6 U	2.4 U	2.4 U	1.3 J	0.99 U	0.58 U	
	Aroclor-1262	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	0.52 U	0.49 U	1 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	
	Aroclor-1268	0.50 UJ	2.5 U	5.2 U	4.1 U	9.2 U	1.1 U	0.52 U	0.49 U	1 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	
	Total PCBs	1.1 J	15	24 J	26 J	95	13	7 J	0.50	2	40	26	25	20	4.69 J	7.8	1.9	

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 1
Summary of Pre-characterization Investigation PCB Soil Analytical Results -- 101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 1016ASB3			
		Sample Depth (ft.): 1-3	3-5	5-7	7-9
		Sample Date: 4/5/2013	4/5/2013	4/5/2013	4/5/2013
PCBs					
(mg/kg)	Aroclor-1016	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1221	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1232	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1242	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1248	0.45 U	0.63 J	0.26 U	0.63 U
	Aroclor-1254	2 J	3.5 J	0.49	1.7
	Aroclor-1260	1 J	0.91 J	0.26 U	0.63 U
	Aroclor-1262	0 U	0.51 U	0.26 U	0.63 U
	Aroclor-1268	0 U	0.51 U	0.26 U	0.63 U
	Total PCBs	3 J	5.04 J	0.49	1.7

Notes:
mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	102EX1SB1				102EX1SB1-A	102EX1SB1-A-1	102EX1SB1-A-2				102EX1SB1-B					
		Sample ID:	1-3	3-5	5-7	7-9	5-7	9-11	5-7	7-9	9-11	13-15	5-7	7-9	9-11	11-13	13-15
		Sample Depth (ft.): Sample Date:	4/1/2013	4/1/2013	4/1/2013	4/1/2013	5/14/2013	5/16/2013	5/16/2013	5/16/2013	5/16/2013	7/19/2013	5/14/2013	5/14/2013	8/21/2013	8/21/2013	8/21/2013
PCBs																	
(mg/kg)	Aroclor-1016	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 U	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1221	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 U	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1232	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 U	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1242	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 U	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1248	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 UJ	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1254	2.9	9.9	560	0.18	3.9 J	0.10 U	3.9	0.11 U	0.10 U	1.4	92 J	1,800 J	45	1.0 J	0.10 U	
	Aroclor-1260	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 UJ	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1262	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 UJ	230 U	8.7 U	0.41 U	0.10 U	
	Aroclor-1268	0.61 U	2.5 U	46 U	0.11 U	0.55 UJ	0.10 U	0.53 U	0.11 U	0.10 U	0.42 U	9.8 UJ	230 U	8.7 U	0.41 U	0.10 U	
	Total PCBs	2.9	9.9	560	0.18	3.9 J	0.10 U	3.9	0.11 U	0.10 U	1.4	92 J	1,800 J	45	1.0 J	0.10 U	

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB1-B-1							102EX1SB1B-1A					102EX1SB1B-1A1C	
		5-7 5/14/2013	7-9 5/14/2013	9-11 5/14/2013	11-13 6/19/2013	11-13 6/19/2013 Field Dup	13-15 6/19/2013	15-17 6/19/2013	5-7 6/19/2013	7-9 6/19/2013	9-11 6/19/2013	11-13 6/19/2013	13-15 7/19/2013	9-11 7/19/2013	9-11 7/19/2013 Field Dup
PCBs (mg/kg)	Aroclor-1016	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1221	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1232	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1242	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1248	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1254	400	400	720	4.9	4.9	130	7.8	33,000	1,000	760	750	23	0.10 U	0.11 U
	Aroclor-1260	45 U	44 U	200 U	0.57 J	0.56 J	24 U	1.7 U	6,400 U	120 J	93 J	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1262	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Aroclor-1268	45 U	44 U	200 U	0.46 U	0.42 U	24 U	1.7 U	6,400 U	100 U	86 U	88 U	4.6 U	0.10 U	0.11 U
	Total PCBs	400	400	720	5.47 J	5.46 J	130	7.8	33,000	1,120 J	853 J	750	23	0.10 U	0.11 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 102EX1SB1B-1A1				102EX1SB1B-1A2				102EX1SB1 B-1A2A	102EX1SB1B-1B						102EX1SB1 B-1B1	
		Sample Depth (ft.):	5-7	7-9	9-11	11-13	5-7	7-9	9-11	11-13	9-11	5-7	5-7	7-9	9-11	11-13	13-15	5-7
		Sample Date:	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	7/19/2013	6/19/2013	6/19/2013 Field Dup	6/19/2013	6/19/2013	8/21/2013	8/21/2013	6/19/2013
PCBs																		
(mg/kg)	Aroclor-1016	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1221	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1232	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1242	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1248	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1254	1.2	0.12 U	0.12 U	0.11 U	0.95	1.5	1200	48	0.11 U	19 J	130 J	0.59	0.25	0.16	0.15 J	15	
	Aroclor-1260	0.93	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1262	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Aroclor-1268	0.56 U	0.12 U	0.12 U	0.11 U	0.50 U	0.40 U	210 U	4.5 U	0.11 U	3.0 U	29 U	0.45 U	0.10 U	0.10 U	0.10 U	2.3 U	
	Total PCBs	2.13	0.12 U	0.12 U	0.11 U	0.95	1.5	1200	48	0.11 U	19 J	130 J	0.59	0.25	0.16	0.15 J	15	

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB2							102EX1SB2-A							
		1-3 4/1/2013	3-5 4/1/2013	5-7 4/1/2013	7-9 4/1/2013	10-12 8/21/2013	12-15 8/21/2013	12-15 8/21/2013 Field Dup	3-5 5/14/2013	5-7 5/14/2013	7-9 5/14/2013	9-11 5/14/2013	11-13 5/14/2013	13-15 6/19/2013	15-17 6/19/2013	17-19 6/19/2013
PCBs (mg/kg)	Aroclor-1016	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Aroclor-1221	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Aroclor-1232	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Aroclor-1242	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Aroclor-1248	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Aroclor-1254	0.43	100,000	160	8.6	0.27 J	0.74	0.58	5.3 J	14,000	320 J	290	55	450	3.4	0.12
	Aroclor-1260	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.57 J	2,500 U	47 U	42 U	8.3 U	55 J	0.47 U	0.10 U
	Aroclor-1262	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Aroclor-1268	0.13 U	23,000 U	27 U	0.93 U	0.10 U	0.42 U	0.42 U	0.55 UJ	2,500 U	47 U	42 U	8.3 U	42 U	0.47 U	0.10 U
	Total PCBs	0.43	100,000	160	8.6	0.27 J	0.74	0.58	5.87 J	14,000	320 J	290	55	505 J	3.4	0.12

Notes:
mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB2-A-1						102EX1SB2A-1A					102EX1SB2A-1A1		
		5-7 5/16/2013	7-9 5/16/2013	9-11 6/28/2013	11-13 7/19/2013	13-15 7/19/2013	15-17 7/19/2013	5-7 6/19/2013	7-9 6/19/2013	9-11 6/19/2013	11-13 6/19/2013	13-15 8/21/2013	5-7 6/19/2013	7-9 6/19/2013	9-11 6/19/2013
PCBs (mg/kg)	Aroclor-1016	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 UJ	0.44 U	0.95 U	0.11 U
	Aroclor-1221	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 UJ	0.44 U	0.95 U	0.11 U
	Aroclor-1232	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 UJ	0.44 U	0.95 U	0.11 U
	Aroclor-1242	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 UJ	0.44 U	0.95 U	0.11 U
	Aroclor-1248	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 UJ	0.44 U	0.95 U	0.11 U
	Aroclor-1254	11,000	1,700	430	600	1,500	2.9	2,900	2,300	60	8.1	0.10 U	1.7	7.7	0.11 U
	Aroclor-1260	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 U	0.49	0.95 U	0.11 U
	Aroclor-1262	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 U	0.44 U	0.95 U	0.11 U
	Aroclor-1268	1,400 U	470 U	89 U	86 U	420 U	0.44 U	550 U	580 U	8.5 U	2.1 U	0.10 U	0.44 U	0.95 U	0.11 U
	Total PCBs	11,000	1,700	430	600	1,500	2.9	2,900	2,300	60	8.1	0.10 U	2.19	7.7	0.11 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	102EX1SB2A-1B						102EX1SB2A-1B1A			102EX1SB2A-1B1B			102EX1SB2A-1B2		
		5-7	7-9	9-11	11-13	13-15	15-16	5-7	7-9	9-11	5-7	7-9	9-11	5-7	7-9	9-11
		Sample ID: Sample Depth (ft.): Sample Date: 6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	8/21/2013	8/21/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	6/19/2013	6/19/2013
PCBs (mg/kg)	Aroclor-1016	220 U	28 U	22 U	0.42 U	0.11 UJ	0.11 UJ	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1221	220 U	28 U	22 U	0.42 U	0.11 UJ	0.11 UJ	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1232	220 U	28 U	22 U	0.42 U	0.11 UJ	0.11 UJ	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1242	220 U	28 U	22 U	0.42 U	0.11 UJ	0.11 UJ	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1248	220 U	28 U	22 U	0.42 U	0.11 UJ	0.11 UJ	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1254	2,000	200	150	2.5	0.17	0.13	0.58	0.24	0.82	2.2	0.14 U	0.11	270	910	30
	Aroclor-1260	250 J	28 U	22 U	0.42 U	0.11 U	0.11 U	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1262	220 U	28 U	22 U	0.42 U	0.11 U	0.11 U	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Aroclor-1268	220 U	28 U	22 U	0.42 U	0.11 U	0.11 U	0.46 U	0.15 U	0.44 U	0.47 U	0.14 U	0.10 U	31 U	100 U	4.6 U
	Total PCBs	2,250 J	200	150	2.5	0.17	0.13	0.58	0.24	0.82	2.2	0.14 U	0.11	270	910	30

Notes:
mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date: Analyte	102EX1SB2A-1B2A		102EX1SB2A-1C						102EX1SB2A-1C1						
		5-7	7-9	5-7	7-9	9-11	11-13	13-15	15-17	17-18	5-7	7-9	9-11	11-13	13-15	15-17
		7/19/2013	7/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	7/19/2013	7/19/2013	7/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	8/21/2013	8/21/2013
PCBs (mg/kg)	Aroclor-1016	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1221	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1232	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1242	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1248	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1254	470	16	15,000	480	430	180	9,700	910	7.5	8,300	490	12	4.2 U	28 J	0.81
	Aroclor-1260	52 U	4.4 U	1,800 J	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1262	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Aroclor-1268	52 U	4.4 U	1,200 U	86 U	44 U	23 U	1,100 U	110 U	1.8 U	1,300 U	49 U	2.2 U	4.2 U	4.2 U	0.42 U
	Total PCBs	470	16	16,800 J	480	430	180	9,700	910	7.5	8,300	490	12	4.2 U	28 J	0.81

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	102EX1SB2A-1C1A		102EX1SB2-A-2							
		5-7	7-9	3-5	5-7	7-9	9-11	11-13	13-15	17-18	18-20
		7/19/2013	7/19/2013	5/16/2013	5/16/2013	5/16/2013	6/28/2013	7/19/2013	7/19/2013	8/21/2013	8/21/2013
PCBs											
(mg/kg)	Aroclor-1016	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1221	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1232	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1242	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1248	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1254	37	0.18 U	550	360	0.39	0.10 U	16	49	800	8.2
	Aroclor-1260	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1262	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1268	5.1 U	0.18 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Total PCBs	37	0.18 U	550	360	0.39	0.10 U	16	49	800	8.2

Notes:

mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB2A-2A									
		3-5	5-7	7-9	9-11	11-13	11-13	13-15	15-17	17-19	19-21
		6/19/2013	6/19/2013	6/19/2013	9/19/2013	6/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013
Analyte											
PCBs											
(mg/kg)	Aroclor-1016	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1221	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1232	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1242	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1248	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1254	32	15	0.15	0.25 J	0.17	0.58	560	820	380	0.38
	Aroclor-1260	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1262	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Aroclor-1268	4.8 U	2.8 U	0.13 U	0.11 U	0.10 U	0.42 U	85 U	86 U	48 U	0.11 U
	Total PCBs	32	15	0.15	0.25 J	0.17	0.58	560	820	380	0.38

Notes:

mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB2A-2A1										
		1-3 9/19/2013	3-5 9/19/2013	5-7 9/19/2013	7-9 9/19/2013	9-11 9/19/2013	11-13 9/19/2013	11-13 9/19/2013	13-15 9/19/2013	15-17 9/19/2013	17-19 9/19/2013	19-21 9/19/2013
PCBs (mg/kg)	Analyte											
	Aroclor-1016	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1221	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1232	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1242	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1248	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1254	1.7	0.096 U	4.0	2.1	0.57	0.11 U	0.58	0.67	230	4.5	0.11 U
	Aroclor-1260	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1262	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Aroclor-1268	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.42 U	0.10 U	21 U	1.1 U	0.11 U
	Total PCBs	1.7	0.096 U	4.0	2.1	0.57	0.11 U	0.58	0.67	230	4.5	0.11 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	102EX1SB2-B									
		Sample ID:	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	17-19
		Sample Depth (ft.):	5/14/2013	5/14/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013
		Sample Date:								Field Dup	
PCBs											
(mg/kg)	Aroclor-1016	130 U	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1221	130 U	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1232	130 U	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1242	130 U	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1248	130 UJ	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1254	760 J	2.0 J	5.4	0.11 U	0.86	0.25	0.66	0.11 U	0.11 U	
	Aroclor-1260	130 UJ	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1262	130 UJ	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Aroclor-1268	130 UJ	0.51 UJ	0.63 U	0.11 U	0.41 U	0.10 U	0.43 U	0.11 U	0.11 U	
	Total PCBs	760 J	2.0 J	5.4	0.11 U	0.86	0.25	0.66	0.11 U	0.11 U	

Notes:

mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	102EX1SB2-B-1										102EX1SB2 B-1A	102EX1SB3			
		3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	17-19	19-21	3-5	1-3	3-5	5-7	7-9
		5/16/2013	5/16/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	6/19/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013
PCBs (mg/kg)	Aroclor-1016	98 U	0.55 U	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1221	98 U	0.55 U	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1232	98 U	0.55 U	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1242	98 U	0.55 U	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1248	98 U	0.55 UJ	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1254	770	0.59 J	6.1	0.10 U	0.10 U	0.33	0.11 U	0.10 U	0.11 U	0.11 U	1.8	1.9	21	5,100	5.9
	Aroclor-1260	98 U	0.55 UJ	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1262	98 U	0.55 UJ	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Aroclor-1268	98 U	0.55 UJ	1.2 U	0.10 U	0.10 U	0.11 U	0.11 U	0.10 U	0.11 U	0.11 U	0.42 U	0.23 U	2.6 U	620 U	0.88 U
	Total PCBs	770	0.59 J	6.1	0.10 U	0.10 U	0.33	0.11 U	0.10 U	0.11 U	0.11 U	1.8	1.9	21	5,100	5.9

Notes:
mg/kg - milligrams per kilogram (dry weight) or
J - Estimated value.
U - Compound was not detected at specified qua
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 102EX1SB3-B		102EX1SB4			102EX1SB4-A		102EX1SB4-A-1		102EX1SB4	102EX1SB4-	102EX1SB4-	102EX2SB1			
		Sample Depth (ft.):	1-3	5-7	1-3	3-5	5-7	3-5	5-7	3-5	5-7	A-1A	B	B-1	1-3	5-7	5-7
		Sample Date:	5/14/2013	5/14/2013	4/1/2013	4/1/2013	4/1/2013	5/14/2013	5/14/2013	5/16/2013	5/16/2013	3-5	3-5	3-5	4/1/2013	4/1/2013	4/1/2013
PCBs																	
(mg/kg)	Aroclor-1016	2.2 U	0.61 UJ	0.48 U	1,300 U	3.0 U	520 U	0.55 U	47 U	0.55 U	0.40 U	0.66 U	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1221	2.2 U	0.61 UJ	0.48 U	1,300 U	3.0 U	520 U	0.55 U	47 U	0.55 U	0.40 U	0.66 U	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1232	2.2 U	0.61 UJ	0.48 U	1,300 U	3.0 U	520 U	0.55 U	47 U	0.55 U	0.40 U	0.66 U	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1242	2.2 U	0.61 UJ	0.48 U	1,300 U	3.0 U	520 U	0.55 U	47 U	0.55 U	0.40 U	0.66 U	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1248	2.2 UJ	0.61 UJ	0.48 U	1,300 U	3.0 U	520 UJ	0.55 U	47 U	0.55 UJ	0.40 U	0.66 UJ	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1254	14 J	1.4 J	3.0	6,900	14	3,600 J	6.2 J	350	1.4 J	0.53	4.3 J	6.9	0.53	15 J	36 J	
	Aroclor-1260	2.2 UJ	0.61 UJ	0.48 U	1,300 U	3.0 U	520 UJ	0.55 U	47 U	0.55 UJ	0.40 U	0.66 UJ	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1262	2.2 UJ	0.61 UJ	0.48 U	1,300 U	3.0 U	520 UJ	0.55 U	47 U	0.55 UJ	0.40 U	0.66 UJ	0.97 U	0.11 U	2.3 U	4.8 U	
	Aroclor-1268	2.2 UJ	0.61 UJ	0.48 U	1,300 U	3.0 U	520 UJ	0.55 U	47 U	0.55 UJ	0.40 U	0.66 UJ	0.97 U	0.11 U	2.3 U	4.8 U	
	Total PCBs	14 J	1.4 J	3.0	6,900	14	3,600 J	6.2 J	350	1.4 J	0.53	4.3 J	6.9	0.53	15 J	36 J	

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 102EX2SB2		102EX2SB3			102EX2SB3-A		102EX2SB4			102EX2SB4-A		102EX1SB4	102EX2SB5	
		Sample Depth (ft.):	1-3	5-7	1-3	5-7	7-9	1-3	5-7	1-3	5-7	7-9	1-3	5-7	A-1B	7-9
		Sample Date:	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	5/14/2013	5/14/2013	4/1/2013	4/1/2013	4/1/2013	5/14/2013	5/14/2013	6/19/2013	4/1/2013
PCBs																
(mg/kg)	Aroclor-1016	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 U	12 U	14 U	0.11 U	2.1 U	0.57 U	0.46 U	0.13 U	
	Aroclor-1221	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 U	12 U	14 U	0.11 U	2.1 U	0.57 U	0.46 U	0.13 U	
	Aroclor-1232	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 U	12 U	14 U	0.11 U	2.1 U	0.57 U	0.46 U	0.13 U	
	Aroclor-1242	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 U	12 U	14 U	0.11 U	2.1 U	0.57 U	0.46 U	0.13 U	
	Aroclor-1248	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 UJ	12 U	14 U	0.11 U	2.1 UJ	0.57 UJ	0.46 U	0.13 UJ	
	Aroclor-1254	2.8 J	5.3	110	710	0.10 U	1.6 J	0.23 J	110	110	0.11 U	15 J	3.5 J	1.4	0.13 UJ	
	Aroclor-1260	0.50 J	0.61 U	12 U	180 U	0.10 U	0.50 J	0.14 UJ	12 U	14 U	0.11 U	2.1 UJ	0.57 UJ	0.46 U	0.13 UJ	
	Aroclor-1262	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 UJ	12 U	14 U	0.11 U	2.1 UJ	0.57 UJ	0.46 U	0.13 UJ	
	Aroclor-1268	0.46 U	0.61 U	12 U	180 U	0.10 U	0.46 UJ	0.14 UJ	12 U	14 U	0.11 U	2.1 UJ	0.57 UJ	0.46 U	0.13 UJ	
	Total PCBs	3.3 J	5.3	110	710	0.10 U	2.1 J	0.23 J	110	110	0.11 U	15 J	3.5 J	1.4	0.13 UJ	

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 102EX2SB6			102EX2SB7		102EX2SB8			102EX2SB8-A		102EX2SB8-	102EX2SB8-	102EX2SB9	102EX2SB10		
		Sample Depth (ft.):	1-3	5-7	7-9	1-3	5-7	1-3	5-7	7-9	5-7	7-9	A1	A2	7-9	1-3	5-7
		Sample Date:	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	5/14/2013	5/14/2013	5-7	5-7	4/1/2013	4/1/2013	4/1/2013
PCBs																	
(mg/kg)	Aroclor-1016	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 U	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Aroclor-1221	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 U	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Aroclor-1232	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 U	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Aroclor-1242	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 U	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Aroclor-1248	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 UJ	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Aroclor-1254	220	800	0.10 U	35	0.84	9.0	250	0.12 U	62 J	0.11 U	41	12	3.0	0.66 J	0.14 U	
	Aroclor-1260	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 UJ	0.11 U	5.7 U	2.2	0.41 U	0.28 J	0.14 U	
	Aroclor-1262	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 UJ	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Aroclor-1268	59 U	130 U	0.10 U	4.7 U	0.14 U	1.2 U	53 U	0.12 U	5.3 UJ	0.11 U	5.7 U	1.4 U	0.41 U	0.23 U	0.14 U	
	Total PCBs	220	800	0.10 U	35	0.84	9.0	250	0.12 U	62 J	0.11 U	41	14.2	3.0	0.94 J	0.14 U	

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 2
Summary of Pre-Characterization Investigation PCB Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: 102EX2SB11			102EX2SB12		102EX2SB13			102EX2SB1	102EX2SB14		SB-102-6	
		Sample Depth (ft.):	1-3	5-7	5-7	1-3	5-7	1-3	5-7	7-9	3-A	1-3	5-7	4
		Sample Date:	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	4/1/2013	5/14/2013	4/2/2013	4/2/2013	4/1/2013
				Field Dup										
PCBs														
(mg/kg)	Aroclor-1016	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1221	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1232	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1242	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1248	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1254	0.97 J	0.18	0.15	0.21	19	14	110	40	0.13 U	1.2	0.20	21	
	Aroclor-1260	0.34 J	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1262	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Aroclor-1268	0.12 U	0.14 U	0.14 U	0.11 U	2.2 U	2.2 U	10 U	5.6 U	0.13 U	0.44 U	0.11 U	2.4 U	
	Total PCBs	1.31 J	0.18	0.15	0.21	19	14	110	40	0.13 U	1.2	0.20	21	

Notes:

mg/kg - milligrams per kilogram (dry weight) or

J - Estimated value.

U - Compound was not detected at specified qua

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detec

Table 3
Summary of Pre-characterization Investigation VOC Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB1	102EX1SB2A-1C1		102EX1SB2A-2		102EX1SB2
		B-1B	5-7	7-9	4-6	4-6	A-2A
		5-7 8/21/2013	8/21/2013	8/21/2013	8/21/2013	8/21/2013	3-5 8/21/2013
Analysis	Analyte					Field Dup	
VOCs							
(mg/kg)							
	Acetone	0.067 U	0.10 U	0.060 U	0.080 U	0.082 U	0.082 U
	tert-Amyl Methyl Ether (TAME)	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Benzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Bromobenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Bromochloromethane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Bromodichloromethane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Bromoform	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	Bromomethane	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	2-Butanone (MEK)	0.027 U	0.040 U	0.024 U	0.032 U	0.033 U	0.033 U
	n-Butylbenzene	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	sec-Butylbenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	tert-Butylbenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	tert-Butyl Ethyl Ether (TBEE)	0.00067 U	0.0010 U	0.00060 U	0.00080 U	0.00082 U	0.00082 U
	Carbon Disulfide	0.0040 U	0.0060 U	0.0036 U	0.0048 U	0.0049 U	0.0049 U
	Carbon Tetrachloride	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	Chlorobenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Chlorodibromomethane	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	Chloroethane	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	Chloroform	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	Chloromethane	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	2-Chlorotoluene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	4-Chlorotoluene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,2-Dibromo-3-chloropropane (DBCP)	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	1,2-Dibromoethane (EDB)	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Dibromomethane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,2-Dichlorobenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,3-Dichlorobenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,4-Dichlorobenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Dichlorodifluoromethane (Freon 12)	0.013	0.019	0.0068	0.016	0.014	0.018
	1,1-Dichloroethane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,2-Dichloroethane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,1-Dichloroethylene	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	cis-1,2-Dichloroethylene	0.0057	0.027	0.024	0.023	0.019	0.015
	trans-1,2-Dichloroethylene	0.0013 U	0.0028	0.0023	0.0022	0.0021	0.0019
	1,2-Dichloropropane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,3-Dichloropropane	0.00067 U	0.0010 U	0.00060 U	0.00080 U	0.00082 U	0.00082 U
	2,2-Dichloropropane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,1-Dichloropropene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	cis-1,3-Dichloropropene	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	trans-1,3-Dichloropropene	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	Diethyl Ether	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	Diisopropyl Ether (DIPE)	0.00067 U	0.0010 U	0.00060 U	0.00080 U	0.00082 U	0.00082 U
	1,4-Dioxane	0.13 U	0.20 U	0.12 U	0.16 U	0.16 U	0.16 U
	Ethylbenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Hexachlorobutadiene	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	2-Hexanone (MBK)	0.013 U	0.020 U	0.012 U	0.016 U	0.016 U	0.016 U
	Isopropylbenzene (Cumene)	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	p-Isopropyltoluene (p-Cymene)	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Methyl tert-Butyl Ether (MTBE)	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	Methylene Chloride	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	4-Methyl-2-pentanone (MIBK)	0.013 U	0.020 U	0.012 U	0.016 U	0.016 U	0.016 U
	Naphthalene	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	n-Propylbenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Styrene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,1,1,2-Tetrachloroethane	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	1,1,2,2-Tetrachloroethane	0.00067 U	0.0010 U	0.00060 U	0.00080 U	0.00082 U	0.00082 U
	Tetrachloroethylene	0.0013 U	0.0020 U	0.0012	0.0016 U	0.0016 U	0.0016 U

Table 3
Summary of Pre-characterization Investigation VOC Soil Analytical Results -- 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID: Sample Depth (ft.): Sample Date:	102EX1SB1	102EX1SB2A-1C1		102EX1SB2A-2		102EX1SB2
		B-1B 5-7 8/21/2013	5-7 8/21/2013	7-9 8/21/2013	4-6 8/21/2013	4-6 8/21/2013	A-2A 3-5 8/21/2013
Analysis	Analyte					Field Dup	
	Tetrahydrofuran	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	Toluene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,2,3-Trichlorobenzene	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	1,2,4-Trichlorobenzene	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	1,1,1-Trichloroethane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,1,2-Trichloroethane	0.0013 U	0.0046	0.0075	0.0034	0.0025	0.0021
	Trichloroethylene	11	19	24	44	34	28
	Trichlorofluoromethane (Freon 11)	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	1,2,3-Trichloropropane	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,2,4-Trimethylbenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	1,3,5-Trimethylbenzene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U
	Vinyl Chloride	0.0067 U	0.010 U	0.0060 U	0.0080 U	0.0082 U	0.0082 U
	m+p Xylene	0.0027 U	0.0040 U	0.0024 U	0.0032 U	0.0033 U	0.0033 U
	o-Xylene	0.0013 U	0.0020 U	0.0012 U	0.0016 U	0.0016 U	0.0016 U

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

VOCs - Volatile Organic Compounds.

Table 4
Summary of Pre-characterization Investigation Groundwater Analytical Results - 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:	MW-36		MW-43		MW-44	MW-45
		Sample Date:	1/11/2011	1/11/2011 Field Dup	9/27/2013	9/27/2013 Field Dup	9/27/2013	9/27/2013
VOCs (ug/L)	Acetone		NA	NA	10 U	10 U	10 U	10 U
	Tertiary-Amyl Methyl Ether		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Benzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Bromochloromethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Bromoform		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Bromomethane		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	2-Butanone		NA	NA	10 U	10 U	10 U	10 U
	n-Butylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	sec-Butylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Ethyl-Tert-Butyl-Ether		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Carbon disulfide		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	Carbon tetrachloride		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorobenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Dibromochloromethane		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Chloroethane		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	Chloroform		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	Chloromethane		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	o-Chlorotoluene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	p-Chlorotoluene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromo-3-chloropropane		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromoethane		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Dibromomethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichlorobenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloroethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloroethene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichloropropane		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	2,2-Dichloropropane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloropropene		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene		NA	NA	0.40 U	0.40 U	0.40 U	0.40 U
	trans-1,3-Dichloropropene		NA	NA	0.40 U	0.40 U	0.40 U	0.40 U
	Ethyl ether		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	Isopropyl Ether		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	1,4-Dioxane		NA	NA	50 U	50 U	50 U	50 U
	Ethylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Hexachlorobutadiene		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	2-Hexanone		NA	NA	10 U	10 U	10 U	10 U
	Isopropylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	p-Isopropyltoluene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert butyl ether		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Methylene chloride		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone		NA	NA	10 U	10 U	10 U	10 U
	Naphthalene		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	n-Propylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Styrene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,1,2-Tetrachloroethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2,2-Tetrachloroethane		NA	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Tetrachloroethene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Tetrahydrofuran		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
	Toluene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U
	1,2,3-Trichlorobenzene		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U
1,2,4-Trichlorobenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	
1,1,1-Trichloroethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	
1,1,2-Trichloroethane		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	
Trichloroethene		NA	NA	1.0 U	1.0 U	1.0 U	1.4	
Trichlorofluoromethane		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	
1,2,3-Trichloropropane		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	
1,2,4-Trimethylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	
1,3,5-Trimethylbenzene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	
Vinyl chloride		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	
p/m-Xylene		NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	
o-Xylene		NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	

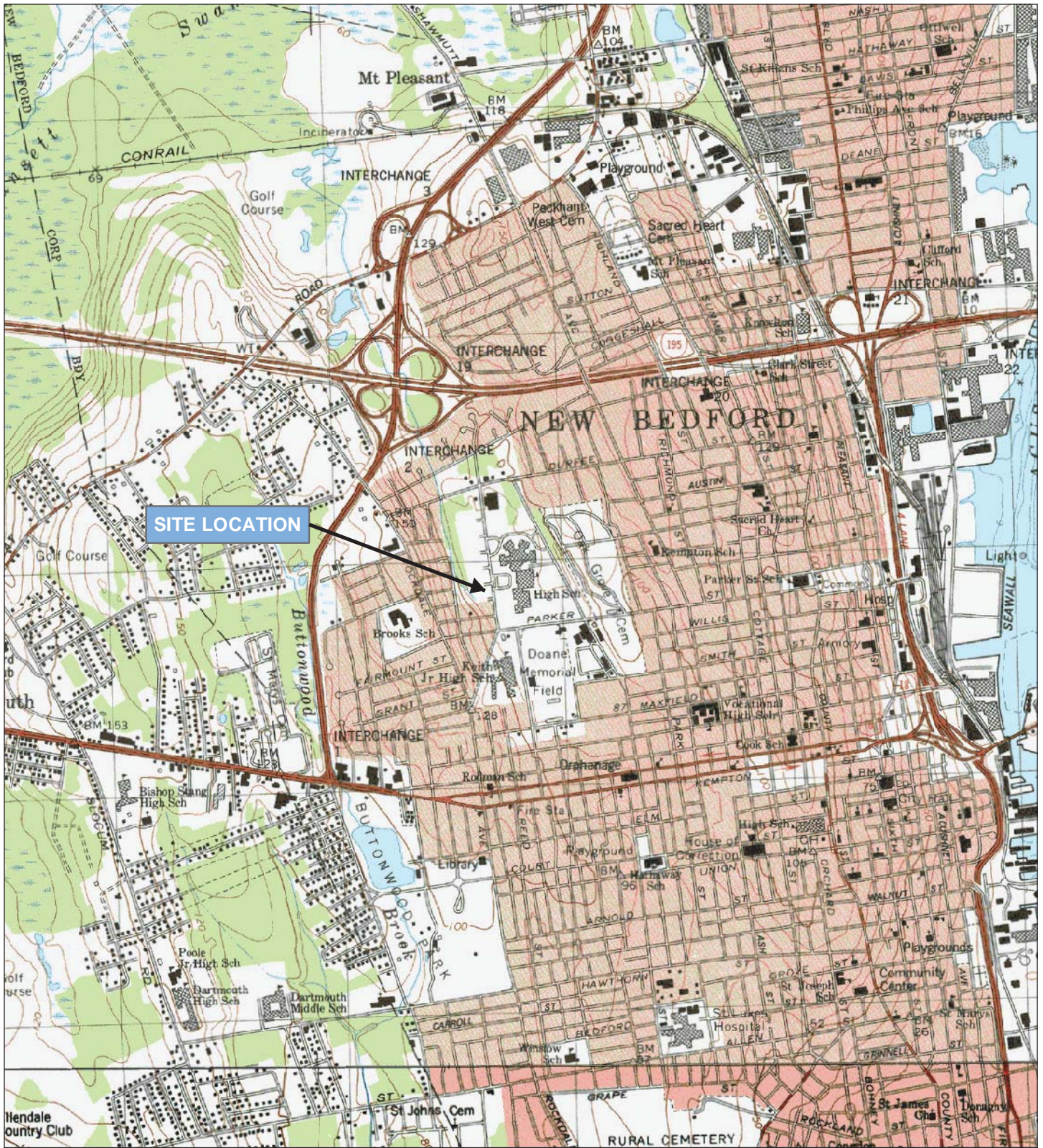
Table 4
Summary of Pre-characterization Investigation Groundwater Analytical Results - 102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:	MW-36		MW-43		MW-44	MW-45
		Sample Date:	1/11/2011	1/11/2011 Field Dup	9/27/2013	9/27/2013 Field Dup	9/27/2013	9/27/2013
SVOCs (ug/L)	Acenaphthene		5.0 U	NA	0.30 U	0.30 U	0.30 U	0.30 U
	Acenaphthylene		5.0 U	NA	0.30 U	0.30 U	0.30 U	0.30 U
	Acetophenone		NA	NA	10 U	10 U	10 U	10 U
	Aniline		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	Anthracene		5.0 U	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Benzo(a)anthracene		5.0 U	NA	0.050 U	0.050 U	0.050 U	0.050 U
	Benzo(a)pyrene		5.0 U	NA	0.10 U	0.10 U	0.10 U	0.10 U
	Benzo(b)fluoranthene		5.0 U	NA	0.050 U	0.050 U	0.050 U	0.050 U
	Benzo(g,h,i)perylene		5.0 U	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Benzo(k)fluoranthene		5.0 U	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Bis(2-chloroethoxy)methane		NA	NA	10 U	10 U	10 U	10 U
	Bis(2-chloroethyl)ether		NA	NA	10 U	10 U	10 U	10 U
	Bis(2-chloroisopropyl)ether		NA	NA	10 U	10 U	10 U	10 U
	Bis(2-Ethylhexyl)phthalate		NA	NA	10 U	10 U	10 U	10 U
	4-Bromophenylphenylether		NA	NA	10 U	10 U	10 U	10 U
	Butylbenzylphthalate		NA	NA	10 U	10 U	10 U	10 U
	4-Chloroaniline		NA	NA	10 U	10 U	10 U	10 U
	2-Chloronaphthalene		NA	NA	10 U	10 U	10 U	10 U
	2-Chlorophenol		NA	NA	10 U	10 U	10 U	10 U
	Chrysene		5.0 U	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Dibenz(a,h)anthracene		5.0 U	NA	0.10 U	0.10 U	0.10 U	0.10 U
	Dibenzofuran		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	Di-n-octylphthalate		NA	NA	10 U	10 U	10 U	10 U
	1,2-Dichlorobenzene		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	1,3-Dichlorobenzene		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	1,4-Dichlorobenzene		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U
	3,3-Dichlorobenzidine		NA	NA	10 U	10 U	10 U	10 U
	2,4-Dichlorophenol		NA	NA	10 U	10 U	10 U	10 U
	Diethylphthalate		NA	NA	10 U	10 U	10 U	10 U
	2,4-Dimethylphenol		NA	NA	10 U	10 U	10 U	10 U
	Dimethylphthalate		NA	NA	10 U	10 U	10 U	10 U
	Di-n-butylphthalate		NA	NA	10 U	10 U	10 U	10 U
	2,4-Dinitrophenol		NA	NA	10 U	10 U	10 U	10 U
	2,4-Dinitrotoluene		NA	NA	10 U	10 U	10 U	10 U
	2,6-Dinitrotoluene		NA	NA	10 U	10 U	10 U	10 U
	1,2-Diphenylhydrazine (as Azobenzene)		NA	NA	10 U	10 U	10 U	10 U
	Fluoranthene		5.0 U	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Fluorene		5.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Hexachlorobenzene		NA	NA	10 U	10 U	10 U	10 U
	Hexachlorobutadiene		NA	NA	10 U	10 U	10 U	10 U
	Hexachloroethane		NA	NA	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene		5.0 U	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Isophorone		NA	NA	10 U	10 U	10 U	10 U
	2-Methylnaphthalene		5.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
	2-Methylphenol		NA	NA	10 U	10 U	10 U	10 U
	3/4-Methylphenol		NA	NA	10 U	10 U	10 U	10 U
	Naphthalene		5.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
	Nitrobenzene		NA	NA	10 U	10 U	10 U	10 U
	2-Nitrophenol		NA	NA	10 U	10 U	10 U	10 U
	4-Nitrophenol		NA	NA	10 U	10 U	10 U	10 U
	Pentachlorophenol		NA	NA	10 U	10 U	10 U	10 U
	Phenanthrene		5.0 U	NA	0.050 U	0.050 U	0.11	0.050 U
	Phenol		NA	NA	10 U	10 U	10 U	10 U
	Pyrene		5.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene		NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	
2,4,5-Trichlorophenol		NA	NA	10 U	10 U	10 U	10 U	
2,4,6-Trichlorophenol		NA	NA	10 U	10 U	10 U	10 U	
PCBs (ug/L)	Aroclor 1016		0.0500 U	0.0500 U	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor 1221		0.0500 U	0.0500 U	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor 1232		0.0500 U	0.0500 U	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor 1242		0.0500 U	0.0500 U	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor 1248		0.138	0.132	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor 1254		0.349	0.355	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor 1260		0.0500 U	0.0500 U	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor-1262		NA	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Aroclor-1268		NA	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Total PCBs		0.487	0.487	0.20 U	0.20 U	0.20 U	0.20 U
Metals, total (ug/L)	Antimony		1.0 U	NA	1.0 U	1.0 U	1.1	1.0 U
	Arsenic		0.40 U	NA	0.40 U	0.40 U	0.40 U	0.40 U
	Barium		26	NA	90	91	24	36
	Beryllium		0.40 U	NA	0.40 U	0.40 U	0.40 U	0.40 U
	Cadmium		0.50 U	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Chromium		1.0 U	NA	1.0 U	1.0 U	2.1	1.0 U
	Lead		1.0 U	NA	1.3	1.4	1.3	1.2
	Mercury		0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U
	Nickel		5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U
	Selenium		5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U
	Silver		0.50 U	NA	0.50 U	0.50 U	0.50 U	0.50 U
	Thallium		0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U
	Vanadium		5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U
	Zinc		24	NA	10 U	10 U	10 U	36
	Metals, dissolved (ug/L)	Antimony		1.0 U	NA	1.0 U	1.0 U	1.2
Arsenic			0.40 U	NA	0.40 U	0.40 U	0.40 U	0.40 U
Barium			25	NA	84	81	19	37
Beryllium			0.40 U	NA	0.40 U	0.40 U	0.40 U	0.40 U
Cadmium			0.50 U	NA	0.50 U	0.50 U	0.50 U	0.50 U
Chromium			1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Lead			1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U
Mercury			0.10 U	NA	0.10 U	0.10 U	0.10 U	0.10 U
Nickel			5.0 U	NA	5.0 U	5.7	6.9	8.8
Selenium			5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U
Silver			0.50 U	NA	0.50 U	0.50 U	0.50 U	0.50 U
Thallium			0.20 U	NA	0.20 U	0.20 U	0.20 U	0.20 U
Vanadium			5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U
Zinc			28	NA	10 U	11	15	46

Notes:

- ug/L - micrograms per liter.
- NA - Sample not analyzed for the listed analyte.
- NS - No MassDEP standards exist for this analyte.
- U - Compound was not detected at specified quantitation limit.
- Values in **Bold** indicate the compound was detected.
- VOCs - Volatile Organic Compounds.
- SVOCs - Semi-Volatile Organic Compounds.
- PCBs - Polychlorinated Biphenyls.
- (1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.
- (2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

FIGURES



SITE LOCATION

MASSACHUSETTS



**SITE
LOCATION**



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
978-970-5600

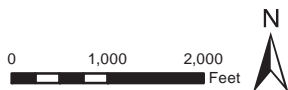
SITE LOCATION MAP

**ACQUIRED RESIDENTIAL
PROPERTIES**

NEW BEDFORD, MA

FIGURE 1

AUGUST 2011



Base map: USGS 7.5 Minute Quadrangle New Bedford North (1979) and New Bedford South (1979)

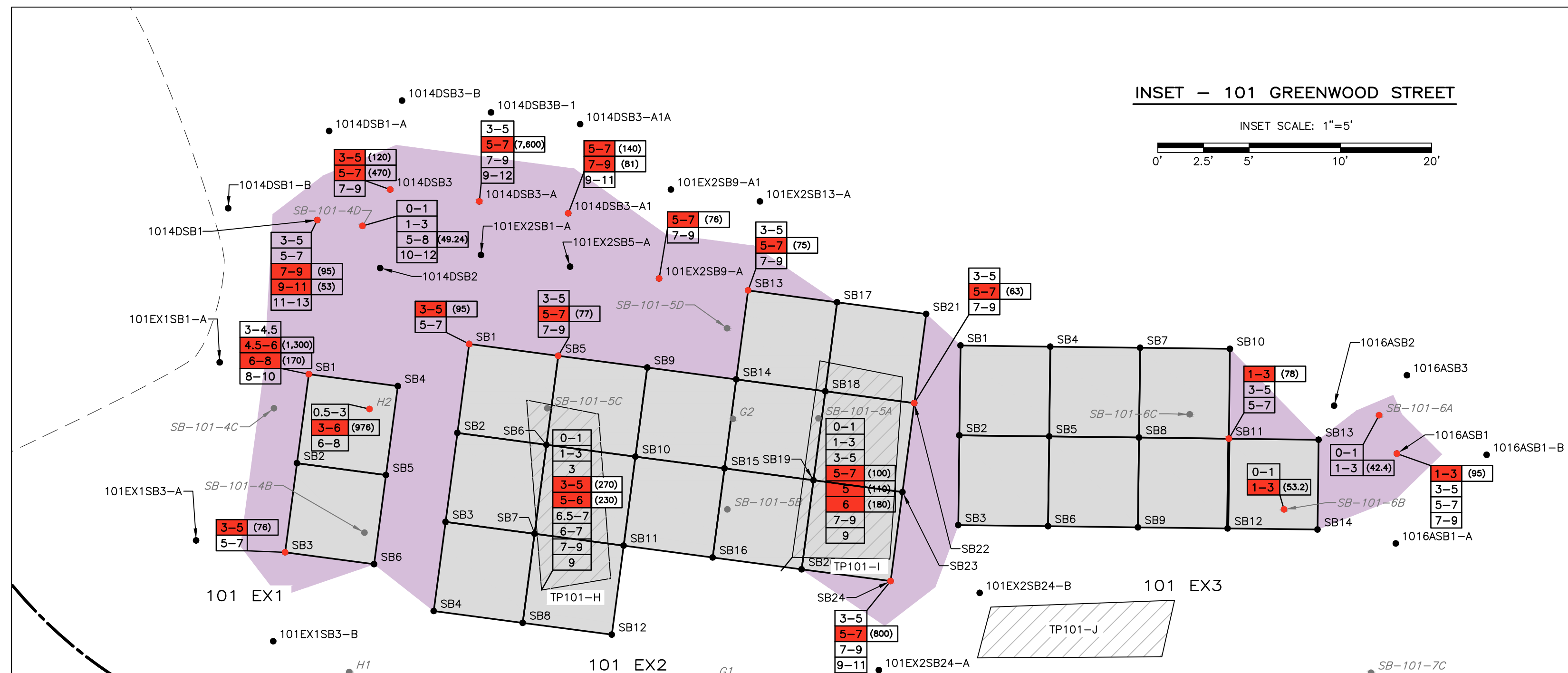
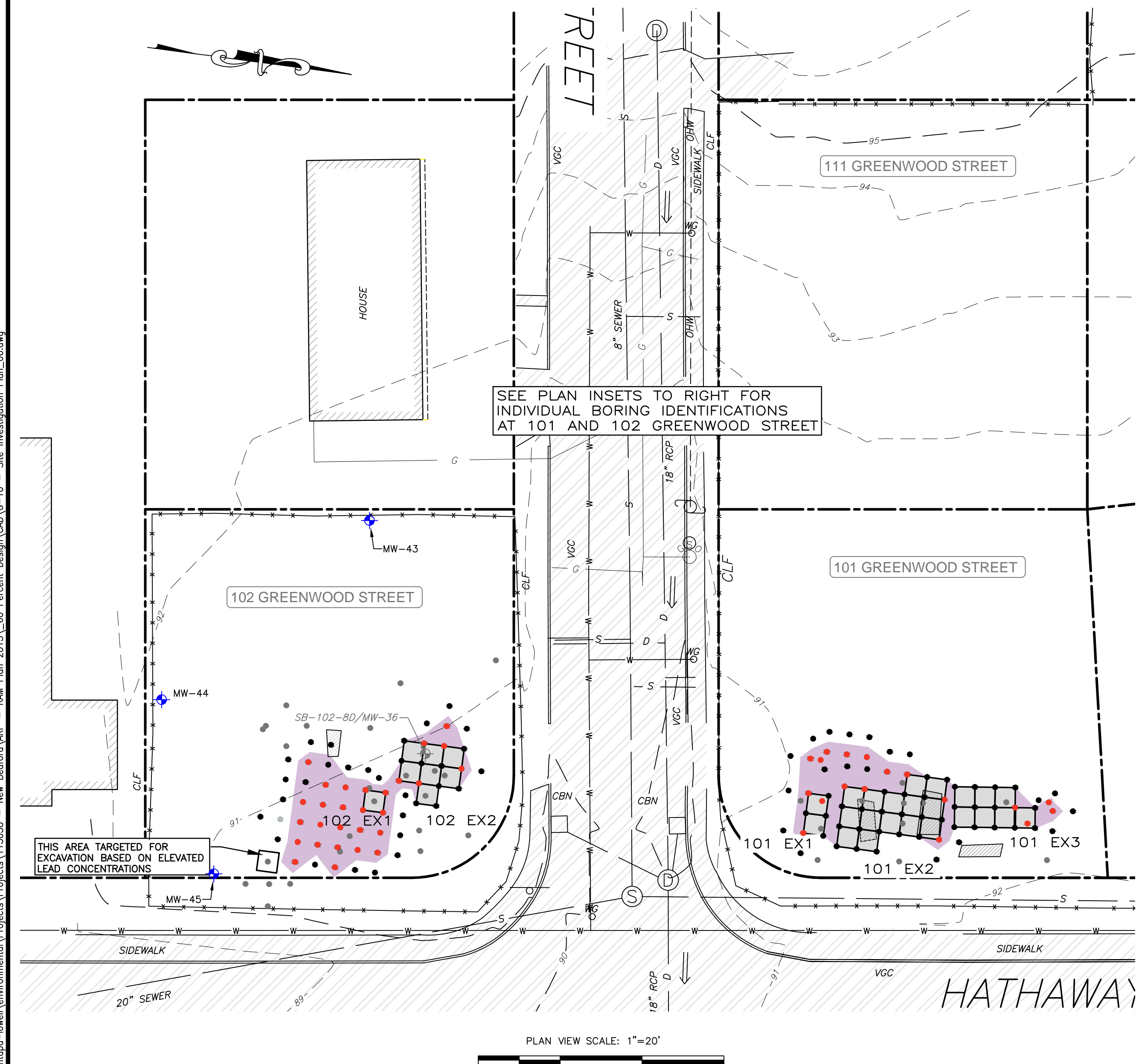
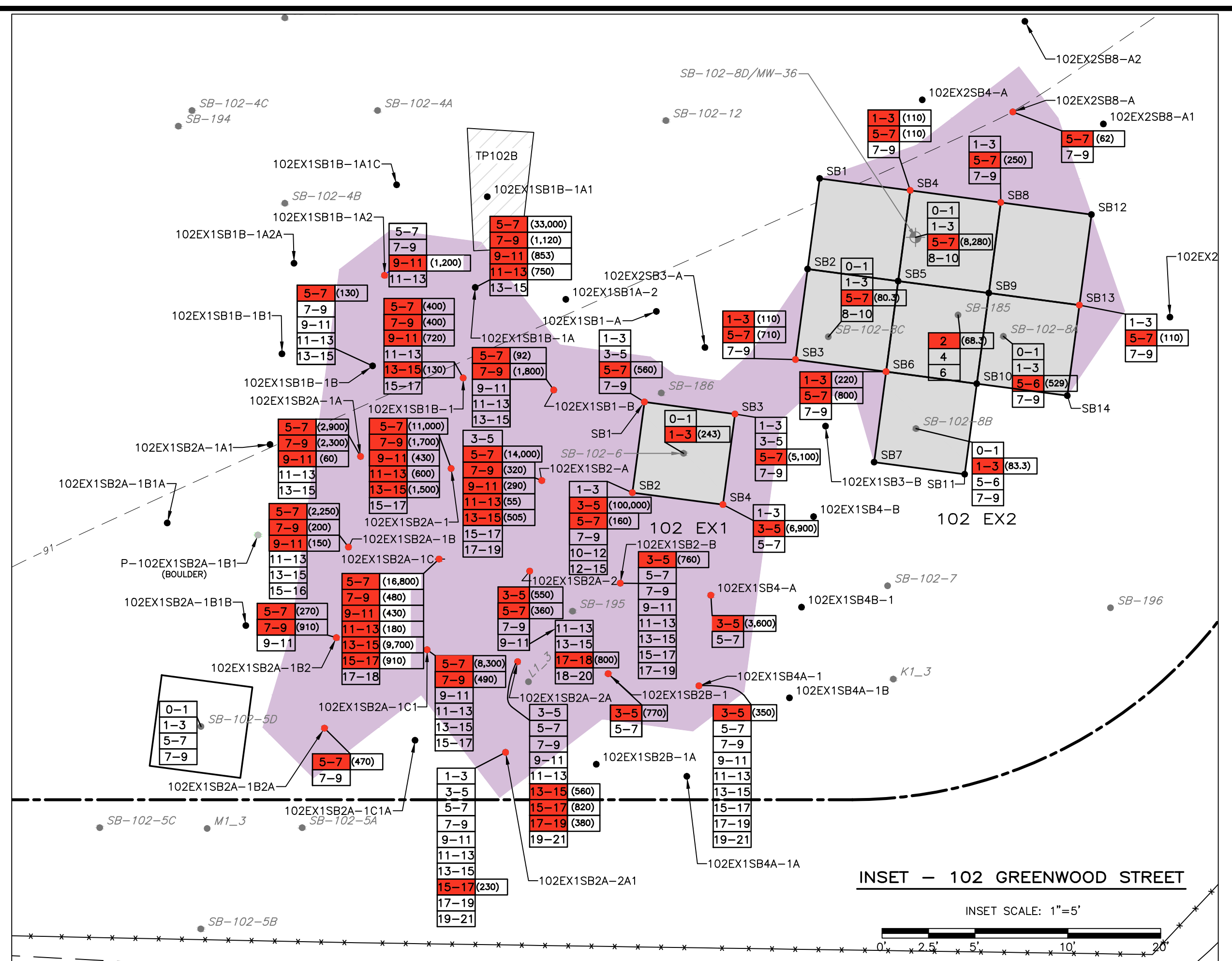
TSCA PRE-CHARACTERIZATION DATA SUMMARY

THE SOIL SAMPLE DEPTH INTERVALS ANALYZED ARE SHOWN BELOW FOR TSCA DELINEATION BORINGS AND PROXIMATE HISTORICAL BORINGS THAT DID NOT EXHIBIT TOTAL PCB CONCENTRATIONS GREATER THAN 50 MG/KG IN SOIL SAMPLES COLLECTED FROM ANY DEPTH. TSCA DELINEATION BORING LOCATIONS THAT DID EXHIBIT TOTAL PCB CONCENTRATIONS GREATER THAN 50 MG/KG IN SOIL SAMPLES COLLECTED FROM AT LEAST ONE DEPTH INTERVAL ARE SHOWN ON PLAN VIEW INSETS (THIS PAGE).

GROUP I.D. → 101 EX1
 LOCATION I.D. → SB4
 SAMPLE DEPTH INTERVALS → 3-5, 5-7, R
 R INDICATES REFUSAL

101 EX1					101 EX2					1016A				102 EX1					102 EX2							
SB2	SB4	SB5	SB6		SB2	SB3	SB4	SB6	SB7	SB2	SB3			SB1	SB2	SB3-A	SB3-B	SB4-A	SB5	SB7	SB8-A1	SB8-A2	SB9	SB10	SB11	
3-4.5	3-5	3-5	3-5		3-5	3-5	3-5	7-9	7-9	1-3	1-3			1-3	1-3	1-3	1-3	1-3	1-3	7-9	1-3	5-7	5-7	7-9	1-3	1-3
4.5-6	5-7	5-7	5-7		5-7	5-7	5-7	5-7	5-7	5-7	5-7			5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7
6-8																										
8-9																										
9-11																										
SB1-A	SB3-A	SB3-B																								
3-5	3-5	3-5																								
5-7																										
7-9																										

HISTORICAL 102 GREENWOOD ST.				HISTORICAL 101 GREENWOOD ST.			
SB-102-12	SB-186	SB-196	SB-102-7	SB-101-4B	SB-101-4C	SB-101-4D	SB-101-6A
0.5-1.5	2	1	0-1	0-1	0-1	0-1	0-1
3-5	3.4	3.5	1-3	1-3	1-3	1-3	1-3
7-9		8		4-7	4-9	5-8	5-7
				9-11	10-12	10-12	10-12



LEGEND - PRE-CHARACTERIZATION

- AREA ORIGINALLY PROPOSED FOR EXCAVATION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA, FOLLOWING FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- PREVIOUS TEST PIT (PREVIOUS TEST PITS LOCATED WITHIN PROPOSED EXCAVATION AREAS ARE NOT SHOWN)
- TSCA PRE-CHARACTERIZATION DELINEATION SAMPLE DEPTH INTERVALS (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG WITHIN THAT INTERVAL)
- LISTS TOTAL PCB CONCENTRATION IN MG/KG IDENTIFIED IN SOIL AT THAT DEPTH INTERVAL
- EXISTING PROPERTY LINE
- MONITORING WELL INSTALLED IN SEPTEMBER 2013
- EXISTING SOIL BORING COMPLETED AS MONITORING WELL IN DECEMBER 2010

REV.	DATE	DESCRIPTION	C/O	DRN	CHK

ACQUIRED RESIDENTIAL PROPERTIES NEW BEDFORD, MA
PRE-CHARACTERIZATION INVESTIGATION PLAN

 Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 (978) 970-5800

FIGURE 2

DRAWN BY: DP
 CHECKED BY: MO
 DATE: OCT. 2013

APPENDIX A

SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 1014DSB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/20	S-1		2" ASPHALT. 6" Light brown SAND and GRAVEL.	0.0		No Monitoring Well Installed.
2					12" Brown SILTY SAND, little-some fill (glass, coal, ash, brick, cinder).			
3						0.0		
4		48/16	S-2		16" FILL(ash, cinder, clinker, brick, glass).		1014DSB2 (3-5') 1135	
5								
6							1014DSB2 (5-7') 1140	
7						0.0		
8		36/18	S-3		18" PEAT.		1014DSB2 (7-9') 1145	
9								
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 1014DSB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/25	S-1		2" ASPHALT.	0.0		No Monitoring Well Installed.
2					21" Brown SILTY SAND, little fill (glass, coal, ash, gravel).			
3						0.0		
4		48/14	S-2		2" FILL (glass, ash, coal, clinker). 14" FILL (brown/orange sand, coal, ash, clinker, cinder, glass, plastic).		1014DSB3 (3-5') 1200 DUP-10/ (MS/MSD) 1200	
5								
6							1014DSB3 (5-7') 1205	
7						0.0		
8		36/24	S-3		2" SAA 22" PEAT.		1014DSB3 (7-9') 1210	
9								
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 1016ASB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/32	S-1		12" TOPSOIL (light brown sand, organics, trace gravel).	0.0		No Monitoring Well Installed
2					15" Dark brown SILTY SAND, little fill (coal, ash, glass).			
3						0.0		
4		48/22	S-2		5" FILL (orange/brown sand, ash, cinder, coal).		1016ASB1 (3-5') 905 DUP-9/ (MS/MSD) 905	
5					13" SAA.			
6					14" FILL (redish brown sand, ash, coal, cinder, glass, gravel), moist.		1016ASB1 (5-7') 910	
7						0.0		
8		36/31	S-3		4" SAA.		1016ASB1 (7-9') 915	
9					18" PEAT.			
10					9" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' SE of 1016ASB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/19	S-1		3" TOPSOIL.	0.0		No Monitoring Well Installed
					4" Light brown fine SAND, little gravel.			
					12" Brown SILTY SAND, little fill (glass, coal, clinker).			
2							1016ASB2 (1-3') 925	
3						0.0		
4		48/24	S-2		2" SAA.		1016ASB2 (3-5') 930	
					22" FILL (coal, clinker, wood, ash, cinder).			
5								
6							1016ASB2 (5-7') 935	
7						0.0		
8		36/24	S-3		8" SAA.		1016ASB2 (7-9') 940	
9					6" PEAT.			
10					10" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 1016ASB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/30	S-1		6" TOPSOIL.	0.0		No Monitoring Well Installed.
2					12" Light brown SILTY SAND, trace fill (coal, brick).		1016ASB3 (1-3') 1000	
3					12" Dark brown SILTY SAND, little fill (glass, coal, clinker, ash).	0.0		
4		48/28	S-2		8" Light brown/orange FILL (ash, clinker, coal, glass).		1016ASB3 (3-5') 1005	
5					3" FILL (white cinder and ash).			
6					17" Black/brown FILL (ash, coal, clinker, glass, rubber).		1016ASB3 (5-7') 1010	
7						0.0		
8		36/18	S-3		5" SAA.		1016ASB3 (7-9') 1015	
9					7" PEAT.			
10					6" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 101EX1SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (6-8'), (3-4.5'), (4.5-6')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/36	S-1		6" TOPSOIL.	0.0			No Monitoring Well Installed.
2					12" Brown SILTY SAND, trace glass and clinker.				
3					5" FILL (coal ash, clinker, gravel, glass).				
4					5" Dark brown SILTY SAND, trace plastic and clinker.				
4					1" Pulverized GRAVEL.	0.0	101EX1SB1 (3-4.5') 855		
4					7" FILL (clinker, ash, tile, glass)				
5		72/28	S-2		20" FILL (red/brown sand, white ash, cinder, glass, clinker).		101EX1SB1 (4.5-6") 900		
6									
7							101EX1SB1 (6-8') 905		
8						0.0			
9							101EX1SB1 (8-10') 910		
10					8" PEAT.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-4.5'), (4.5-6'), (6-8'), (8-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/34	S-1		8" TOPSOIL.	0.0			No Monitoring Well Installed.
2					22" Brown SAND, some silt and gravel, trace fill (porcelain, glass, clinker, coal).	0.0			
3									
4						0.0	101EX1SB2 (3-4.5') 925		
5		72/30	S-2		4" FILL (ash, brown fibrous material, glass, tile).				
6					21" SAA.		101EX1SB2 (4.5-6") 930		
7									
8						0.0	101EX1SB2 (6-8') 935		
9									
10					9" PEAT.	0.0	101EX1SB2 (8-9') 940		
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/34	S-1		6" TOPSOIL.	0.0			No Monitoring Well Installed.
2					8" Brown SAND, little gravel, trace fill (glass, coal ash).				
3					20" FILL (brick, ash, coal, clinker, glass).	0.0			
4						0.0	101EX1SB3 (3-5') 955		
5		72/38	S-2		10" SAA.				
6							101EX1SB3 (5-7') 1000		
7					11" Black FILL (clinker, ash, coal).				
8					3" Red/orange SAND and FILL (ash, clinker).	0.0			
9					10" PEAT.				
10					4" Tan fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
0		60/40	S-1		8" TOPSOIL.	0.0			
1					20" Brown SILTY SAND, trace fill (glass, ash, clinker).				
2									
3						0.0			
4					12" FILL (ash, clinker, plastic, coal, white ash, ceramic, porcelain).		101EX1SB4 (3-5') 1050		
5		72/30	S-2		16" SAA.	0.0			
6							101EX1SB4 (5-7') 1055		
7									
8					14" PEAT.	0.0			
9									
10						0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/30	S-1		6" TOPSOIL.	0.0		No Monitoring Well Installed.
2					18" Brown SAND, little fill (glass, ash).			
3						0.0		
4					6" FILL (brick, glass, ash, coal, wood, clinker).		101EX1SB5(3-5) 1115 DUP-5/ (MS/MSD) 1115	
5		72/42	S-2		19" SAA.			
6						0.0	101EX1SB5 (5-7) 1120	
7								
8					8" Black SILT, trace fill.			
9					10" PEAT.	0.0		
10					5" Tan fine to coarse SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/34	S-1		5" TOPSOIL.				
2					19" Brown SAND with gravel, little fill (clinker, glass, ash).	0.0			
3									
4					10" FILL (brown/orange/black sand, clinker, ash, wood, coal, plastic, metal).	0.0	101EX1SB6 (3-5') 1140		
5		72/40	S-2		13" SAA.				
6									
7					3" Tan/white FILL (cinder, ash, coal).				
8					17" PEAT.	0.0			
9									
10					7" Tan fine SAND.	0.0			
11					End of boring at 11 feet.				

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' WNW of 101EX1SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/16	S-1		1" Asphalt. 8" Brown SAND with gravel and fill (glass, plastic, paper).	0.0		No Monitoring Well Installed.
2						0.0		
3					6" FILL (brown/orange SAND, coal ash, plastic, clinker).			
4							101EX2SB1 (3-5') 1225	
5		72/43	S-2		8" SAA.	0.0		
6					8" FILL (white ash, cinder, clinker, brick).		101EX2SB1 (5-7') 1230	
7					23" PEAT.			
8						0.0		
9								
10					4" Tan fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB10 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB9 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		5" TOPSOIL.	0.0		No Monitoring Well Installed.
2					13" Brown SILTY SAND, some fill (plastic, glass, coal).			
3					16" FILL (plastic, ash, clinker, gravel, glass, fabric).	0.0		
4					16" SAA, decreasing fill.	0.0		
5		72/40	S-2		16" PEAT.	0.0	101EX2SB10 (7-9) 0845	
6								
7								
8								
9								
10					8" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB11 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB10 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/32	S-1		8" TOPSOIL.	0.0		No Monitoring Well Installed.
2					24" Brown fine SAND, some gravel, little fill (glass, brick, coal).			
3								
4							101EX2SB11 (3-5') 900 DUP-6 / (MS/MSD) 0900	
5		72/35	S-2		5" FILL (coal, ash, gravel, clinker, scrap metal).			
6					13" SAA, with black fibrous fabric and increasing white ash.		101EX2SB11 (5-7') 905	
7								
8					5" FILL (black coal ash and clinker, with black rubber/fabric exhibiting a slight petroleum-like odor).	0.0		
9					9" PEAT.			
10					8" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB12 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/36	S-1		12" Dark brown fine SILTY SAND, trace organics, little fill (coal, glass).			No Monitoring Well Installed.
2					12" Light brown fine to medium SAND, trace fill (coal).	0.4		
3					6" FILL (brown/orange sand with ash, coal, glass).			
4					6" Black FILL (ash, coal, glass).	0.0	101EX2SB12 (3-5) 925	
5		72/46	S-2		6" SAA.			
6					13" FILL (brown/orange sand with ash, coal, glass).	0.0	101EX2SB12 (5-7) 930	
7								
8					14" PEAT.	0.0		
9								
10					13" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB13 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' NW of 101EX2SB9 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/36	S-1		5" TOPSOIL.			
1					4" Light brown fine to medium SAND, trace fill (coal, glass).	0.0		
					5" Pulverized GRAVEL.			
2					10" Dark brown SILTY SAND, trace fill.			
3						0.0		
4					12" FILL (brick, ash, coal, clinker, glass).		101EX2SB13 (3-5') 950	
5		72/36	S-2		18" SAA.			No Monitoring Well Installed.
6						0.0	101EX2SB13 (5-7') 955	
7								
8					12" PEAT.		101EX2SB13 (7-9') 1000	
9						0.0		
10					6" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB14 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/38	S-1		2" TOPSOIL.			No Moinitoring Well Installed.
2					24" Brown SILTY SAND, little fill (clinker, ash, glass).	0.0		
3								
4					12" FILL (brown/orange SAND with ash, coal, glass, clinker).		101EX2SB14 (3-5') 1015	
5		72/38	S-2		17" SAA.	0.0		
6							101EX2SB14 (5-7') 1020	
7								
8					13" PEAT.	0.0		
9								
10					8" Gray fine SAND.			
11					End of boring at 11 feet.	0.0		



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB15 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB14 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/36	S-1		2" TOPSOIL.			No Monitoring Well Installed.
2					21" Brown fine SILTY SAND, little fill (brick, ash, coal, glass, porcelain).	0.0		
3					13" FILL (ash, clinker, coal).			
4					13" SAA.	0.0		
5	72/40		S-2		13" SAA.			
6					13" SAA.			
7					5" Orange/brown SAND and FILL (coal,ash,plastic).			
8					15" PEAT.	0.0	101EX2SB15 (7-9) 1035	
9					15" PEAT.			
10					7" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB16 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB15 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/38	S-1		3" TOPSOIL. 24" Brown fine SILTY SAND, trace fill (glass, coal, ash, wood, porcelain), increasing fill with depth.			
1								
2						0.0		
3								
4					11" FILL (ash, glass, clinker, wood, gravel).		101EX2SB16 (3-5') 1205	
5		72/40	S-2		4" SAA.	0.0		No Monitoring Well Installed.
6					15" Red/brown/orange fine SAND and FILL (glass, ash, coal).		101EX2SB16 (5-7') 1210	
7								
8					12" PEAT.	0.0		
9					9" Gray fine SAND.			
10								
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB17 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		3" TOPSOIL. 15" Brown SILTY SAND with gravel, trace fill.			No Monitoring Well Installed
2					11" Dark brown SILTY SAND, some fill (plastic, scrap metal, tile).	0.0		
3					14" FILL (ash, gravel, coal, clinker, glass).			
4							101EX2SB17 (3-5') 1305	
5		72/35	S-2		15" SAA.	0.0		
6							101EX2SB17 (5-7') 1310	
7								
8					13" PEAT.	0.0		
9								
10								
10					7" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB18 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB17 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
0		60/36	S-1		3" TOPSOIL.			
1					20" Brown/orange SILTY SAND, little fill (glass, coal, clinker).			
2						0.0		
3								
4					13" FILL (coal, ash, clinker, glass).			
5		72/45	S-2		22" SAA.	0.0		
6								
7								
8					15" PEAT.	0.0	101EX2SB18 (7-9) 1325	
9								
10					8" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB19 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB18 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/35	S-1		3" TOPSOIL.	0.0		No Monitoring Well Installed.
2					22" Brown SILTY SAND, some gravel, little fill (brick, porcelain, glass, coal).			
3								
4					10" FILL (ash, coal, clinker, glass, tile).	0.0		
5		72/38	S-2		7" SAA with white ash and coal.			
6					18" Orange/red/brown SAND, trace FILL (scrap metal, wood).			
7								
8						0.0	101EX2SB19 (7-9) 1335	
9					7" PEAT.			
10					6" Gray fine SAND.	0.0		
11					End of boring at 11 feet!			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/32	S-1		4" TOPSOIL.	0.0	101EX2SB2 (3-5') 1250	No Monitoring Well Installed.	
					16" Brown fine SAND and GRAVEL, little fill (brick, glass).				
2									
3									
4					12" FILL (brown/orange SAND with glass, clinker, coal, ash, plastic).	0.0			
5		72/40	S-2		18" SAA.				
6						0.0	101EX2SB2 (5-7') 1255		
7									
8					18" PEAT.				
9									
10						0.0			
11					4" Tan/gray fine SAND.				
					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB20 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB19 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/27	S-1		3" TOPSOIL.			
1					20" Brown SILTY SAND, trace-little fill (glass, coal, scrap metal).	0.0		
2								
3								
4					4" FILL (ash, coal, glass, clinker, scrap metal).	0.0	101EX2SB20 (3-5') 1350	
5		72/36	S-2		3" SAA.			
6					12" Red/orange SILT, some fill (fabric, tile, porcelain, ash, coal).		101EX2SB20 (5-7') 1355	
7								
8					12" PEAT.	0.0		
9								
10					7" Gray fine SAND.			
11					End of boring at 11 feet.			No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB21 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 4.5
 LOCATION Approximately 5' N of 101EX2SB17 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-4.5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		54/36	S-1		11" Dark brown SILTY SAND, trace organics and gravel.	0.0	101EX2SB21 (3-4.5') 1415		
2					4" Light brown fine SILTY SAND.	0.0			
3					3" Pulverized GRAVEL.				
4					12" FILL (orange/brown sand with gravel, coal, ash, glass, scrap metal).				
					End of boring at 4.5 feet (refusal on concrete/boulder).				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB22 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB21 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/36	S-1		3" TOPSOIL.	0.0			
2					22" Brown/orange SILTY SAND, some fill (coal, ash, glass, gravel, brick, scrap metal).				
3						0.0	101EX2SB22 (3-5') 1505		
4					6" Pulverized GRAVEL.				
5		72/39	S-2		5" FILL (coal, ash, glass, gravel, brick, scrap metal).				
6					16" SAA, increasing white ash, brick with depth.	0.0	101EX2SB22 (5-7') 1510		No Monitoring Well Installed.
7									
8					4" WOOD.	0.0	101EX2SB22 (7-9') 1515		
9					11" PEAT, moist.				
10					8" Gray fine SAND, moist.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB23 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB22 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/32	S-1		4" TOPSOIL.	0.0		
1					20" Brown SILTY SAND, some fill (glass, porcelain, coal, scrap metal).			
2								
3								
4					8" FILL (brown/orange sand, coal, ash, glass, scrap metal, clinker).	0.0	101EX2SB23(3-5') 830 DUP-7(MS/MSD) 830	
5		72/36	S-2		12" SAA.			No Monitoring Well Installed.
6							101EX2SB23 (5-7) 835	
7					14" PEAT.	0.0		
8								
9								
10					10" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB24 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB23 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9'), (9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/32	S-1		3" TOPSOIL (trace organics, glass).	0.0		No Monitoring Well Installed.	
2					23" Brown SILTY SAND, trace fill (glass, coal).				
3									
4					6" FILL (brick, ash, coal, clinker, glass, cinder).	0.0	101EX2SB24 (3-5') 855		
5		72/40	S-2		15" SAA.		101EX2SB24 (5-7') 900		
6									
7					2" Wood.				
8					4" FILL (ash, cinder, tar coated fabric exhibiting a slight petroleum odor).				
9					10" PEAT.	1.2	101EX2SB24 (7-9') 905		
10					10" Gray fine SAND.	0.0	101EX2SB24 (9-11') 910		
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/28	S-1		18" Brown fine SILTY SAND, some organics, little fill (glass, coal).	0.0		No Monitoring Well Installed.
2								
3								
4					10" FILL (ash, coal, wood, glass, porcelain, scrap metal, brick), slight petroleum-like odor (4').	0.6	101EX2SB3 (3-5') 1315	
5		60/32	S-2		10" SAA.			
6							101EX2SB3 (5-7') 1320	
7					12" PEAT.	0.0		
8								
9					10" Brown/tan fine SAND.			
10					End of boring at 10 feet.	0.0		
11								



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/30	S-1		3" TOPSOIL.			
2					12" Brown SILTY SAND, some fill (porcelain, metal, coal, ash, brick).	0.0		
3					2" Pulverized GRAVEL.			
4					8" Brown/orange SAND and FILL (glass, ash, coal).		101EX2SB4 (3-5') 1405	
5		72/34	S-2		5" Black FILL (coal, ash, clinker).			No Monitoring Well Installed.
6					6" FILL.	0.0		
7					8" FILL (white cinder and ash).		101EX2SB4 (5-7') 1410	
8					12" PEAT.	0.0		
9					10" Gray fine SAND.			
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/31	S-1		15" Brown SILTY SAND with gravel, trace fill (brick, clinker, coal, glass).				
2						0.0			
3					5" Pulverized GRAVEL.				
4					11" FILL (brown/orange SAND with ash, coal, clinker, glass, plastic).		101EX2SB5 (3-5') 1430		
5		72/38	S-2		10" SAA.	0.0			No Monitoring Well Installed.
6							101EX2SB5 (5-7') 1435		
7					23" PEAT.				
8						0.0	101EX2SB5 (7-9') 1440		
9									
10					5" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/32	S-1		4" TOPSOIL.			
1					28" FILL (brown/orange sand, gravel, ash, clinker, coal, fibrous material, glass, metal).	0.0		
2								
3								
4						0.0		
5		72/24	S-2		7" SAA.			
6								
7					12" PEAT.	0.0		
8							101EX2SB6 (7-9') 1515	
9								
10					5" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB7 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' S of 101EX2SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/31	S-1		28" Brown SAND with gravel, little fill (glass, coal, metal).	0.0		No Monitoring Well Installed.
2								
3								
4						0.0		
5		72/28	S-2		4" FILL (orange/brown sand, clinker, ash, glass).			
6					14" SAA.			
7						0.0		
8					10" PEAT.		101EX2SB7 (7-9) 1525	
9						0.0		
10					4" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB8 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' S of 101EX2SB12 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		4" TOPSOIL.	0.0		No Monitoring Well Installed.
2					26" Brown SILTY SAND with gravel, little fill (ash, glass, clinker, coal).	0.0		
3						0.0		
4					13" FILL (orange/brown sand with glass, metal, clinker, plastic, brick, porcelain, wood, coal).		101EX2SB8 (3-5') 1540	
5		72/35	S-2		15" SAA, denser fill.			
6						0.0	101EX2SB8 (5-7') 1545	
7								
8					12" PEAT.	0.0		
9								
10					8" Gray/tan fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB9 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/36	S-1		4" TOPSOIL.	0.0		No Monitoring Well Installed.
2					14" Brown SILTY SAND, little fill (plastic, coal, glass).			
3					18" Brown SILTY SAND, some fill (glass, coal, clinker, ash, gravel).			
4						0.0	101EX2SB9 (3-5') 0825	
5		72/42	S-2		18" FILL (brown/orange sand, clinker, glass, ash, gravel).			
6								
7						0.0	101EX2SB9 (5-7') 0830	
8					16" PEAT.			
9								
10					8" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 4
 LOCATION Approximately 5' S of 101EX3SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-2'), (3-4')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		48/40	S-1		10" TOPSOIL.	0.0			
2					3" Pulverized GRAVEL/CONCRETE.	0.0	101EX3SB1 (1-2') 1435		
3					6" Brown SILTY SAND and GRAVEL.				
4					12" Pulverized GRAVEL/CONCRETE.				
4					6" FILL (orange/brown sand, ash, coal).	0.0	101EX3SB1 (3-4') 1440		
					End of boring at 4 feet (refusal on concrete).				No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB10 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB7 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/49	S-1		12" TOPSOIL.	0.0			
2					24" Brown SILTY SAND, trace filll (glass, brick, coal).	0.0	101EX3SB10 (1-3') 1300		
3						0.0			
4					13" FILL (brown/orange/red sand, glass, plastic, cinder, coal, porcelain).	0.0	101EX3SB10 (3-5') 1305		
5		72/41	S-2		22" SAA.	0.0			No Monitoring Well Installed.
6						0.0	101EX3SB10 (5-7') 1310		
7						0.0			
8					10" PEAT.	0.0			
9					9" Gray fine SAND.	0.0			
10						0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB11 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB10 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
		60/46	S-1		8" TOPSOIL (sandy silt with organics and sand).				
1					26" Brown SILTY SAND, some fill (glass, brick, coal, ash).	0.0			
2							101EX3SB11 (1-3') 1400		
3						0.0			
4					12" FILL (brown/orange/red sand, glass, ash, wood, cinder, coal).				
5		72/42	S-2		7" SAA.	0.0			
6					12" FILL (white ash, cinder, coal, glass, brick), slight petroleum odor, moist.				
7							101EX3SB11 (5-7') 1410		
8					15" PEAT, moist.				
9									
10					8" Gray fine SAND, moist.				
11					End of boring at 11 feet.				No Monitoring Well Installed



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB12 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/38	S-1		3" TOPSOIL.	0.0			No Monitoring Well Installed.
2					24" Brown SILTY SAND, some fill (clinker, plastic, glass).		101EX3SB12 (1-3') 1445		
3						0.0			
4					11" FILL (orange/brown sand, glass, ash, cinder, coal, clinker, brick, scrap metal).		101EX3SB12 (3-5') 1450		
5		72/46	S-2		5" SAA.	0.0			
6					15" FILL (white ash, cinder, glass, coal).		101EX3SB12 (5-7') 1455		
7						0.0			
8					17" PEAT.				
9						0.0			
10					9" Gray fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB13 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/39	S-1		4" TOPSOIL.	0.0			
2					13" Brown SILTY SAND, little gravel.		101EX3SB13 (1-3') 1510		
3					12" Brown SILTY SAND, trace-little fill (coal, glass, ash, plastic).	0.0			
4					10" FILL (ash, cinder, coal, clinker, metal, glass, brick).		101EX3SB13 (3-5') 1515		
5		72/44	S-2		4" SAA.	0.0			No Monitoring Well Installed.
6					15" FILL (brown/orange/white cinder, ash, coal, glass, clinker), moist at bottom.		101EX3SB13 (5-7') 1520		
7					15" PEAT.	0.0			
8									
9									
10					10" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB14 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD AMS Powerprobe
 NOTES Sampled for PCBs (1-3'), (3-5'), (4'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/24	S-1		5" TOPSOIL.	0.0		
2					19" Brown SILTY SAND, little fill (ash, coal, glass, gravel).		101EX3SB14 (1-3') 830	
3						0.0	101EX3SB14 (3-5') 840	
4		48/26	S-2		7" FILL (brown/orange sand, ash, gravel, clinker, coal, glass).		101EX3SB14 (4') 835	
5					19" FILL (white ash, coal, clinker, brick).			
6							101EX3SB14 (5-7') 845	
7						0.0		
8		36/27	S-3		2" SAA.			
9					13" PEAT.			
10					7" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
		60/40	S-1		8" TOPSOIL (brown silty sand with gravel trace organics).				
1					16" Brown SILTY SAND, little-some FILL (glass, clinker, coal, brick).	0.0	101EX3SB2 (1-3') 930		
2									
3					16" FILL (brown/orange SAND with glass, ash, cinder, coal).	0.0	101EX3SB2 (3-5') 935		
4									
5		72/43	S-2		5" SAA.	0.0			No Monitoring Well Installed.
6					8" FILL (white ash, cinder, glass, brick), moist.		101EX3SB2 (5-7') 940		
7					18" PEAT, moist.				
8						0.0			
9									
10					12" Gray fine SAND, moist.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
		60/36	S-1		5" TOPSOIL.				
1					24" Brown SILTY SAND with FILL (clinker, coal, glass, ash, cinder, plastic).	0.0			
2							101EX3SB3 (1-3') 955		
3						0.0			
4					7" FILL (clinker, coal, glass, cinder, ash, plastic).	0.2	101EX3SB3 (3-5') 1000		
5		72/40	S-2		13" SAA with brick fragments.	0.0			No Monitoring Well Installed.
6							101EX3SB3 (5-7') 1005		
7					13" PEAT.	0.1			
8						0.0			
9					13" Gray fine SAND.				
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/40	S-1		5" TOPSOIL.	0.0		No Monitoring Well Installed.
					4" Light brown GRAVELLY SAND.			
2					19" Dark brown SILTY SAND, trace-little fill (brick, coal, glass, clinker).		101EX3SB4 (1-3') 1020	
3						0.0		
4					14" FILL (coal, ash, cinder, porcelain, glass, clinker).		101EX3SB4 (3-5') 1025	
5		72/52	S-2		8" SAA.	0.0		
6					6" Pulverized GRAVEL.		101EX3SB4 (5-7') 1030	
7					10" FILL (coal, ash, cinder, porcelain, glass, clinker).			
8					15" PEAT.			
9						0.0		
10					10" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		5" TOPSOIL.	0.0		No Monitoring Well Installed
2					28" Brown SILTY SAND, some fill (glass, porcelain, plastic, coal).	0.0		
3						0.0		
4					12" FILL (ash, brick, cinder, coal, clinker, glass).			
5		72/48	S-2		5" SAA.	0.0		
6					18" FILL (gray/white ash, cinder, coal, clinker, brick, ceramic).			
7						0.0		
8					15" PEAT.		101EX3SB5 (7-9') 1045	
9						0.0		
10					10" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/46	S-1		5" TOPSOIL.	0.0			No Monitoring Well Installed.
2					30" Brown SILTY SAND, trace fill (plastic, porcelain).		101EX3SB6 (1-3') 1055		
3						0.0			
4					12" FILL (coal, ash, clinker, brick, cinder, glass).		101EX3SB6 (3-5') 1100		
5		72/44	S-2		4" SAA.	0.0			
6					14" FILL (cinder and ash fill with glass, coal, clinker, brick, plastic, ash).		101EX3SB6 (5-7') 1105		
7						0.0			
8					15" PEAT.				
9									
10					11" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB7 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/36	S-1		8" TOPSOIL.				
2					18" Brown SILTY SAND, little fill (brick, porcelain, plastic).	0.0	101EX3SB7 (1-3') 1200		
3						0.0			
4					10" FILL (brown/orange/red sand, ash, cinder, glass, coal).		101EX3SB7 (3-5') 1205		
5		72/38	S-2		9" SAA.	0.0			No Monitoring Well Installed
6							101EX3SB7 (5-7') 1210		
7					2" FILL (brown/orange/red sand, ash, cinder, glass, coal).				
8					6" BRICK FRAGMENTS.	0.0			
9					3" FILL (brown/orange/red sand, ash, cinder, glass, coal).				
10					16" PEAT.	0.0			
11					3" Gray fine SAND, wet.				
					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB8 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB7 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		10" TOPSOIL.			
2					20" Brown SILTY SAND with fill (glass, porcelain, brick, coal, wood).	0.0		
3						0.0		
4					13" FILL (brown/orange/red sand, ash, cinder, glass, coal, porcelain, plastic).			
5		72/41	S-2		17" FILL (ash, brick, cinder, coal, ash, clinker, wood, glass).	0.0		No Monitoring Well Installed.
6								
7						0.0		
8					15" PEAT.		101EX3SB8 (7-9) 1225	
9						0.0		
10					9" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB9 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB8 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/42	S-1		3" TOPSOIL.			No Monitoring Well Installed
					6" FILL (wood, glass, coal).			
2					20" Brown SILTY SAND, some fill (glass, coal).	0.0	101EX3SB9 (1-3') 1235	
3						0.0		
4					13" FILL (ash, cinder, coal, glass, gravel).		101EX3SB9 (3-5') 1240 DUP-8/ (MS/MSD) 1240	
5	72/45		S-2		19" SAA, moist above PEAT.	0.0		
6							101EX3SB9 (5-7') 1245	
7						0.0		
8					10" PEAT.			
9					16" Gray fine SAND.	0.0		
10								
11					End of boring at 11 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/D.Regan/H.Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 4/5/13&5/16/2013 TOTAL DEPTH (Feet) 19
 LOCATION Approximately 2.5 feet S of SB-101-4D GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD AMS Powerprobe/Geoprobe Truck Rig
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11'),(11-13')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/39	S-1		1" ASPHALT.			No Monitoring Well Installed.
2					26" Dark brown SILTY SAND, trace fill (coal, gravel, glass, porcelain).	0.0		
3					12" FILL (orange/brown sand, glass, ash, coal).			
4						0.0	1014DSB1 (3-5') 1030	
5		60/32	S-2		22" SAA.			
6						0.0	1014DSB1 (5-7') 1035	
7								
8					10" PEAT.	0.0	1014DSB1 (7-9') 1040	
9								
10		84/43	S-3		23" PEAT, moist-wet.	0.0	1014DSB1 (9-11') 1045	
11								
12						0.0	1014DSB1(prior) (11-13') 0955	
13								
14					3" Gray fine SAND, wet.			
15					14" Gray/brown SILT, wet.	0.0		
16					3" Gray fine SAND, wet.	0.0		
17					End of boring at 17 feet.			
18								
19								



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 15
 LOCATION Approximately 5 feet W of 1014DSB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/48	S-1		10" Brown SILTY SAND and GRAVEL.				No Monitoring Well Installed.
2					22" Dark brown SILTY SAND, trace fill (glass, coal, brick).	0.0			
3									
4					16" FILL (red/brown ash, coal, glass, clinker, plastic).	0.0	1014DSB1-A (3-5') 0910		
5		60/34	S-2		3" SAA.	0.0			
6					6" Pulverized GRAVEL.		1014DSB1-A (5-7') 0915		
7					2" Black PEAT.				
8					6" FILL (wood, glass, red/brown silt, white ash, coal).	0.0			
9					3" Red/brown SILT.		1014DSB1-A (7-9') 0920		
10					14" Black PEAT.				
11		60/45	S-3		12" Fill (red/brown sand, ash, coal, glass).	0.0	1014DSB1-A (9-11') 0925		
12					13" Brown PEAT, lots of organics.				
13					4" Pulverized GRAVEL.			▽	
14					12" Brown SILT, trace chunks of granite, moist to wet.	0.0			
15					4" Gray fine SAND and GRAVEL, moist to wet.				
					End of boring at 15 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB1-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 15
 LOCATION Approximately 5 feet S of 1014DSB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/20	S-1		1" ASPHALT. 11" Brown SILTY SAND and GRAVEL.	0.0		No Monitoring Well Installed.
2								
3								
4					8" FILL (brown/red sand, glass, metal, ash, coal, porcelain, plastic).	0.0	1014DSB1-B (3-5') 0835	
5		60/31	S-2		19" FILL (white ash, coal, glass, clinker, metal).	0.0	1014DSB1-B (5-7') 0840	
6								
7								
8					12" Black PEAT.	0.0	1014DSB1-B (7-9') 0845	
9								
10		60/50	S-3		16" Brown PEAT.	0.0	1014DSB1-B (9-11') 0850	
11								
12					10" Gray fine to medium SAND, moist.	0.0		
13					24" Gray fine SAND, trace gravel, wet.			
14						0.0		
15					End of boring at 15 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 12
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 16
 LOCATION Approximately 5 feet N of 1014DSB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-12')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/38	S-1		1" ASPHALT.			No Monitoring Well Installed.
2					6" Brown/light brown SILTY SAND.	0.0		
3					12" FILL (brown silty sand, ash, clinker, brick, glass, porcelain, coal).			
4					13" Pulverized GRAVEL.	0.0	1014DSB3-A (3-5') 1015	
5					6" FILL (brown silty sand, brick, glass, ash, coal).			
6		60/35	S-2		8" GRAVELLY SAND.	0.0	1014DSB3-A (5-7') 1020	
7					21" FILL (white ash, coal, clinker, glass, brick, plastic, porcelain, coal).	0.0		
8					6" Black PEAT.		1014DSB3-A (7-9') 1025	
9					6" FILL (brick, ash, coal, gravel).	0.0	1014DSB3-A (9-12') 1030	
10					10" Brown PEAT.			
11					5" Brown/tan SILT, moist.			
12					41" Light brown/tan fine SAND, wet at 12'.			
13						0.0		
14								
15						0.0		
16					End of boring at 16 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 12
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5 feet W of 1014DSB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/32	S-1		8" Brown SILTY SAND.			<p>No Monitoring Well Installed.</p>
2					12" Dark brown SILTY SAND, trace fill (coal, brick, porcelain).	0.0		
3					2" Pulverized GRAVEL.	0.0		
4					10" FILL (red/orange sand, coal, ash, glass, clinker).		1014DSB3-B (3-5') 0945	
5		60/33	S-2		5" Pulverized GRAVEL.	0.0		
6					16" FILL (red/brown sand, brick, glass, coal, ash, tile, metal, porcelain).		1014DSB3-B (5-7') 0950	
7						0.0		
8					12" Brown PEAT.			
9						0.0		
10		36/30	S-3		6" Brown PEAT.			
11					6" Pulverized GRAVEL.			
11					8" Brown SILT, moist.	0.0		
12					10" Gray/brown fine SAND, moist to wet.			
13					End of boring at 13 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3-B-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 11
 DATE DRILLED 5/16/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 1014DSB3B GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/41	S-1		2" TOPSOIL. 2" CONCRETE. 12" Dark brown SILTY SAND, little gravel, trace fill (glass).	0.0		No Monitoring Well Installed.
2					9" Pulverized GRAVEL.			
3					3" Dark brown SILTY SAND, little gravel, glass. 13" FILL (orange/brown sand, ash, shell fragments, coke, glass, coal).			
4						0.0		
5		96/60	S-2		23" SAA.		1014DSB3-B-1(5-7') 0940	
6						0.0		
7								
8					14" PEAT.	0.0	1014DSB3-B-1(7-9') 0945	
9								
10					23" Gray fine SAND, wet.	0.0		
11						0.0		
					End of boring at 13 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 1016ASB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/43	S-1		10" Light brown SILTY SAND, some organics.	0.0	1016ASB1-A (1-3') 1345	No Monitoring Well Installed.	
2					24" Brown SILTY SAND, trace fill (glass, gravel, coal).	0.0			
3						0.0			
4					9" FILL (brown/black sand, glass, brick, coal, ash).				
5		72/34	S-2		5" SAA, with scrap metal.	0.0			
6					12" FILL (white ash, coal, glass).				
7						0.0			
8					11" Black PEAT.				
9						0.0			
10					6" Pulverized GRAVEL.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB1-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 1016ASB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/50	S-1		11" Brown SILTY SAND, some organics.		1016ASB1-B (1-3') 1315	No Monitoring Well Installed.	
2					24" Brown SILTY SAND, some gravel.	0.0			
3						0.0			
4					15" FILL (orange/brown sand, white ash, coal, glass, porcelain, plastic).				
5		72/34	S-2		9" SAA, increased brick and scrap metal.	0.0			
6									
7					7" FILL (red/brown sand, metal, glass, nails).	0.0			
8					12" PEAT, moist.				
9						0.0			
10					6" Gray fine SAND, moist.				
11					End of boring at 11 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 12
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5 feet S of 101EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/41	S-1		20" Brown SILTY SAND, trace organics, trace fill (glass, tile).			No Monitoring Well Installed.	
2						0.0			
3					21" FILL (brown/orange sand with coal, ash, glass, brick, clinker).				
4						0.0	101EX1SB1-A (3-5') 1630		
5		60/35	S-2		32" SAA.				
6						0.0	101EX1SB1-A (5-7') 1635		
7									
8						0.0	101EX1SB1-A (7-9') 1640		
9									
10		36/35	S-3		3" SAA.				
11					20" PEAT.				
12					15" Brown SILT, wet.				▽
13					End of boring at 13 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB3-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet S of 101EX1SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/47	S-1		22" Brown SILTY SAND, with angular gravel, trace organics, trace fill (glass, coal).	0.0	101EX1SB3-A (3-5') 1605	No Monitoring Well Installed.	
2					25" Light brown/tan fine SAND, some fine gravel.	0.0			
3									
4									
5		72/24	S-2		20" Light brown/tan fine to coarse SAND, some fine gravel.	0.0			
6									
7						0.0			
8									
9						0.0			
10					4" PEAT.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB3-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 101EX1SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		6" TOPSOIL.			No Monitoring Well Installed.
2					12" Dark brown SILTY SAND, little wood, gravel, porcelain.			
3					15" Light brown GRAVELLY SAND.	0.0		
4					10" FILL (red/brown sand, coal, ash, leather material).	0.0	101EX1SB3-B (3-5') 1525	
5		72/46	S-2		29" FILL (brown/red sand, white ash, coal, glass, clinker).			
6					12" PEAT.	0.0		
7								
8						0.0		
9								
10					5" Gray/brown fine SAND, moist.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB13-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/44	S-1		12" Brown SILTY SAND, little gravel.	0.0	101EX2SB13-A (5-7) 1250	No Monitoring Well Installed.	
2					16" Light brown/tan GRAVELLY SAND.				
3					8" Dark brown SILT, trace fill (glass, brick).	0.0			
4					8" FILL (brown/orange sand, ash, coal, glass, wood).				
5		72/34	S-2		5" SAA.	0.0			
6					5" Pulverized GRAVEL.				
7					7" FILL (brown/red sand, glass, coal, ash).	0.0			
8					7" Black PEAT.				
9					5" Brown very organic PEAT.	0.0			
10					5" Tan/gray fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB24-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 101EX2SB24 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/52	S-1		22" Brown SILTY SAND, little gravel, organics, fill (glass, coal).	0.0	101EX2SB 24-A(5-7) 1455	No Monitoring Well Installed.	
2					30" Light brown/tan fine to coarse SAND, fine rounded gravel.	0.0			
3						0.0			
4									
5		72/50	S-2		5" SAA.	0.0			
6					7" Red/orange SILT with wood.				
7					7" FILL (white ash, coal, glass, clinker, metal).	0.0			
8					6" PEAT with fill (paper, scrap metal).				
9					10" PEAT, trace fill (scrap metal).				
10					15" Gray fine SAND, moist.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/36	S-1		4" SAND and GRAVEL, trace coal.				
2					8" Dark brown SILTY SAND, trace fill (brick, coal, ash, glass, rubber, wire, clinker).	0.0			
3					6" Pulverized GRAVEL.				
4					18" FILL (brown/red sand, glass, coal, ash, porcelain, white ash).	0.0			
5					4" SAA.	0.0	101EX2SB1-A (3-5') 1050		
6		72/34	S-2		11" FILL (white ash, coal, clinker, glass).				
7					10" Black PEAT.	0.0			
8					9" Brown PEAT, lots of wood.	0.0	101EX2SB1-A (5-7') 1055		
9									
10									
11					End of boring at 11 feet.				

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB24-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 101EX2SB24 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/49	S-1		35" Brown SILTY SAND, trace organics, little gravel.	0.0		No Monitoring Well Installed.	
2									
3						0.0			
4					14" FILL (red/brown sand, white ash, coal, glass, brick, coal, black ash).				
5		72/28	S-2		10" SAA.	0.0	101EX2SB 24-B(5-7) 1420		
6									
7									
8					1" COBBLES. 4" Pulverized GRAVEL.	0.0			
9					5" FILL (black/orange silt, wood, plastic, glass)				
10					8" Pulverized COBBLES.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB5-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/45	S-1		3" TOPSOIL (silty sand and organics). 14" Light brown GRAVELLY SAND, trace fill (scrap metal).	0.0		No Monitoring Well Installed.
2					14" Dark brown SILT, with gravel, trace fill (plastic).			
3						0.0		
4					6" FILL (red/orange sand, glass, gravel, ash, clinker, coal). 8" FILL (brown sand, gravel, ash, coal, glass).		101EX2 SB5-A(3-5') 1115	
5		72/44	S-2		2" SAA. 24" FILL (white ash, coal, clinker, glass, porcelain, wood), moist.	0.0		
6							101EX2 SB5-A(5-7') 1120	
7						0.0		
8								
9					4" FILL (orange sand, ash, wood), wet. 8" Black PEAT, wet.	0.0		
10					6" Gray fine to coarse SAND, wet.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB9-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet)
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB9 GROUND ELEVATION (Feet)
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet)
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7'),(7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
		60/45	S-1		7" TOPSOIL (brown silty sand, gravel, organics).				
1					16" Light brown fine SAND and GRAVEL.	0.0			
2									
3					8" Dark brown SILTY SAND, with plastic.				
4					5" FILL (ash, coal, glass, clinker).	0.0			
					2" Pulverized BRICK.				
					2" Pulverized COAL.				
5		72/52	S-2		3" FILL (ash, coal, glass, clinker).				
					2" Crushed GLASS.	0.0			
6					20" FILL (white ash, coal, clinker, glass, scrap metal).		101EX2 SB9-A(5-7') 1225		No Monitoring Well Installed.
7						0.0			
8					12" FILL (red/orange sand, white ash, glass, coal, porcelain, ash).		101EX2 SB9-A(7-9') 1230		
9					16" PEAT.				
10					4" Tan/gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 1014DSB3-A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' east of 1014DSB3-A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/30	S-1		12" TOPSOIL.	1.8		No Monitoring Well Installed.	
2					6" Tan SILTY SAND, some gravel.				
3					2" FILL (glass, ash), some brown silty sand.				
4					8" Dark brown SILT and fine SAND, trace gravel.				
5					2" FILL (ash, coal, brick, glass).				
6		60/10	S-2		10" FILL (ash, coal, clinker, wood).		1014DSB3-A1 (5-7) 1225		
7									
8							1014DSB3-A1 (7-9) 1228		
9									
10					1" Dark brown SILTY SAND, some fill, trace gravel, wet.				
11		12/8	S-3		7" Grey fine-medium SAND, wet.	1.1	1014DSB3-A1 (9-11) 1235		
					End of Boring @ 11 feet				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 **SCREEN TYPE/SLOT** N/A
BORING/WELL NUMBER 1014DSB3-A1A **FILTER PACK TYPE** N/A
TRC GEOLOGIST Zack Richards **SEAL TYPE** N/A
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor **DEPTH TO WATER (Approximate Feet)** 10
DATE DRILLED 6/19/2013 **TOTAL DEPTH (Feet)** 13
LOCATION Approximately 5' north of 1014DSB3-A1 **GROUND ELEVATION (Feet)** _____
SAMPLING METHOD 60" Macrocore **REFERENCE ELEVATION (Feet)** _____
DRILLING METHOD Direct Push - 6620 DT Track Rig
NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/30	S-1		9" TOPSOIL.	1.1		No Monitoring Well Installed.	
2					10" Tan fine-coarse SAND, some gravel, trace cobbles.				
3					4" Dark brown SILTY SAND, trace gravel and fill (glass, ash).				
4					7" FILL (coal, ash, glass, concrete).				
5		60/14	S-2		13" FILL (glass, coal, ash, concrete).				
6							1014DSB3-A1A (5-7) (HOLD) 1325		
7									
8							1014DSB3-A1A (7-9) (HOLD) 1327		
9									
10		36/25	S-3		1" Dark brown PEAT.	0.9			
11					6" Dark brown PEAT, wet.				
12					19" Grey fine-medium SAND, trace coarse sand, wet.				
13					End of Boring @ 13 feet				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 101EX2SB9-A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' north of 101EX2SB9-A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/32	S-1		9" TOPSOIL.	1.3			No Monitoring Well Installed.
2					2" Crushed STONE.				
2					2" Dark brown SILTY SAND, little gravel.				
3					2" Crushed STONE.				
3					5" Tan fine-medium SAND, some silt, little gravel.				
3					7" Dark brown SILTY SAND, trace fill (glass, ash).				
4					5" FILL (coal, glass, ash).				
5		60/22	S-2		6" FILL (coal, glass, ash, brick).	3.4			
6					5" Dark brown SILTY SAND, some fill (glass, ash).		101EX2SB9-A1 (5-7) 1250		
7					2" Crushed BRICK.				
8					2" FILL (glass, coal, ash).		101EX2SB9-A1 (7-9) 1252		
8					7" Dark brown PEAT.				
9									
10		36/30	S-3		30" Grey fine-medium SAND, trace coarse sand and gravel, coarser at the tip, wet.	2.0		▽	
11									
12									
13					End of Boring @ 13 feet				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 102EX1SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/24	S-1		12" Brown fine to medium SAND and GRAVEL, some fill (glass, concrete, scrap metal, wood).	0.0		No Monitoring Well Installed.	
2						1.2	102EX1SB1(1-3') 830		
3					12" Brown fine to medium SAND with fill (glass, gravel).				
4							102EX1SB1(3-5') 835		
5		72/36	S-2		12" SAA.				
6						0.0	102EX1SB1(5-7') 840		
7					24" Tan fine SAND, trace fine to medium gravel, trace concrete.				
8							102EX1SB1(7-9') 845		
9						0.0			
10									
11					End of boring at 11 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Fiero, J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 11.3
 DATE DRILLED 4/1/13 & 8/21/13 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' E of 102EX1SB1 GROUND ELEVATION (Feet) NA
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 Box Truck
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9'), (10-12'), (12-15').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/18	S-1		7" Brown TOPSOIL (sand and silt, with organics, trace ash, brick, glass, gravel).	7.9		No Monitoring Well Installed	
2					7" Tan fine SAND with ash, trace wood.		102EX1SB2 (1-3') 0855		
3					8" Reddish brown FILL (metal, glass, ash, tile, white fibrous material).				
4					3" Black SAND and ASH.		102EX1SB2 (3-5') 0900		
5					3" Reddish brown FILL (white ash, cinder, wood, fire brick).				
6		48/28	S-2		12" SAA, with red glass fragments, increasing gravel, glass, coal, ash.	24.6	102EX1SB2 (5-7') 0905		
7			S-3		18" Dark brown SILT, moist.		102EX1SB2 (7-9') 0910		
8					8" Tan fine SAND, trace fine gravel.				
9		72/48	S-3		0-12" Coarse SAND and GRAVEL blow down [FILL].				
10					12-28" Tan to light brown medium to fine SAND, some silt and little coarse sand and fine to medium subangular to subrounded gravel, moist (SW).	0.0	102EX1SB2 (10-12') 11:00		
11					28-48" Brown-orange mottled SILT and fine SAND with little to trace medium to coarse sand and fine subangular gravel, saturated (SM).	0.0	102EX1SB2 (12-15') 11:10		
12					0-42" SLOUGH.		DUP-1 11:10		
13		60/60	S-4		42-60" Brown fine SAND with some SILT, little to trace medium to coarse sand and fine subangular to subrounded gravel, saturated, dense (SM).	0.0			
14									
15									
16									
17									
18									
19									
20					End of boring at 20 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 102EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/30	S-1		30" Brown SAND, GRAVEL, and FILL (ash, glass, coal, clinker, brick, tile).	0.0			
2						.6	102EX1SB3(1-3') 0920		
3									
4						1.2	102EX1SB3(3-5') 0920		
5		72/34	S-2		10" SAA.				No Monitoring Well Installed.
6						0.0	102EX1SB3(5-7') 0930		
7					4" Dark brown SILT, trace plastic, scrap metal.				
8					20" Tan/orange fine to coarse SAND, some gravel.		102EX1SB3(7-9') 0935		
9						0.0			
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 102EX1SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/32	S-1		12" Brown SAND and SILT with gravel, some glass.			No Monitoring Well Installed.	
2					12" Brown/reddish FILL (coal, ash, glass).	0.0	102EX1SB4(1-3') 945		
3									
4					12" Black/brown FILL (clinker, coal ash, wire, glass, trace tar-like material with white fibrous material, mastic material, wood).	0.0	102EX1SB4(3-5') 950		
5		72/48	S-2		20" FILL (ash, gravel, wood, clinker, metal).				
6							102EX1SB4(5-7') 955		
7						0.0			
8					8" Black SILT.				
9					20" Tan/gray fine SAND, becoming coarser with depth, trace fine rounded gravel.	0.0			
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 9
 LOCATION Approximately 5' W of 102EX2SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/28	S-1		10" Brown fine SAND and SILT, trace gravel, trace fill.	0.0			
2					18" FILL (brick, coal ash, clinker, ash, glass).		102EX2SB1(1-3) 1030		
3						0.0			
4									
5		48/37	S-2		16" SAA.				No Monitoring Well Installed.
6							102EX2SB1 (5-7) 1040 DUP-1 1040		
7					6" Dark brown/black SILT.	0.0			
8					7" Brown SILT, trace gravel.				
9					8" Tan fine to medium SAND, trace fine rounded gravel.				
					End of boring at 9 feet.	0.0			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB10 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' E of 102EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		2" ASPHALT.	0.0		No Monitoring Well Installed.
2					16" Light brown SAND and GRAVEL, some fill (glass, clinker).		102EX2SB10(1-3') 1400	
3					16" FILL (black/red SAND, white ash, glass, clinker, ash, coal).			
4						0.0		
5		60/36	S-2		10" SAA.			
6							102EX2SB10(5-7') 1410	
7					12" PEAT.			
8					14" Brown fine to medium SAND, some fine to medium gravel.			
9								
10					End of boring at 10 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB11 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' N of 102EX2SB7 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/28	S-1		6" Brown SAND and SILT, some organics and gravel, increasing fill with depth.	0.0			
2					18" Brown SAND with ash, clinker, coal, gravel, porcelain, scrap metal.		102EX2SB11(1-3') 1420		
3					4" Tan SAND with white ash, cinder, ash, gravel, clinker.	0.0			
4					16" FILL (white ash, cinder, ash, gravel, clinker).	0.0			
5		60/40	S-2		12" PEAT.				
6					12" Tan/gray fine SAND, orange mottling.		102EX2SB11(5-7') 1430 DUP-4 1430		
7									
8									
9									
10					End of boring at 10 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB12 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' N of 102EX2SB8 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/24	S-1		2" ASPHALT pavement.	0.0		No Monitoring Well Installed.
1					22" Brown SAND with FILL (gravel, coal, ash, glass, porcelain).			
2							102EX2SB12(1-3') 1500 MS/MSD 1500	
3								
4						0.0		
5		60/24	S-2		4" Pulverized GRAVEL.			
6					6" Brown fine to coarse SAND.		102EX2SB12(5-7') 1510	
7								
8					14" Brown tan fine SAND.	0.0.		
9								
10					End of boring at 10 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB13 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' E of 102EX2SB12 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/24	S-1		24" Brown SAND, some gravel and coal.	0.0		No Monitoring Well Installed.
2						0.0	102EX2SB13(1-3') 1530	
3								
4						0.0		
5		60/24	S-2		18" SAA.			
6							102EX2SB13(5-7') 1540	
7								
8						0.0	102EX2SB13(7-9') 1545	
9					6" Brown fine to coarse SAND with gravel.			
10					End of boring at 10 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB14 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' E of 102EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/28	S-1		24" Dark brown fine SAND and SILT, some gravel, trace chunks of coal.	0.0			
2							102EX2SB14(1-3') 815		
3						0.0			
4									
5		60/38	S-2		4" Light brown medium SAND, some fine gravel, trace clinker. 8" SAA, coarsening sand with depth.				No Monitoring Well Installed.
6					2" FILL (coal ash, clinker, brick). 6" Dark brown SILT.	0.0	102EX2SB14(5-7') 825		
7					10" PEAT.				
8									
9					12" Tan/gray fine to medium SAND.	0.0			
10					End of boring at 10 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 9
 LOCATION Approximately 5' E of 102EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/22	S-1		8" Brown fine SAND and SILT, trace fill (glass, gravel).	0.0			
2					6" Brown/red fine SAND and SILT, trace fill.		102EX2SB2(1-3') 1050		
3					8" Dark brown fill (coal ash, clinker, glass, gravel).	0.0			
4									
5		48/24	S-2		6" SAA.				No Monitoring Well Installed.
6					6" Black SILT.	0.0	102EX2SB2(5-7') 1100		
7					12" Brown/tan fine to coarse SAND.				
8						0.0			
9					End of boring at 9 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 9
 LOCATION Approximately 5' E of 102EX2SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/34	S-1		34" FILL (brown fine sand and gravel with brick fragments, glass, styrofoam, wood, gravel, coal, ash, tile fragments at bottom).	0.0		No Monitoring Well Installed.
2							102EX2SB3(1-3') 1110 MS/MSD 1110	
3								
4						0.0		
5		48/39	S-2		8" Tan SILTY FILL.			
6					8" FILL (glass, brick, plastic, wire, coal, ash, plastic, lead).		102EX2SB3(5-7') 1120	
7					10" Black SILT, trace FILL becoming peat with depth.	0.0		
8					13" Tan fine to coarse SAND.		102EX2SB3(7-9') 1125	
9					End of boring at 9 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' N of 102EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		14" Brown TOPSOIL (fine sand and silt), trace organics, trace fill (glass, plastic).	0.0		No Monitoring Well Installed.
2					12" SAA, increasing fill with depth.		102EX2SB4(1-3') 1130	
3								
4					8" Brown SILT with fill (coal ash, clinker, gravel).			
5		60/32	S-2		6" SAA.	0.0		
6					6" Black/brown SILT.		102EX2SB4(5-7') 1140	
7					20" Tan fine SAND, becoming coarser with depth, little pulverized gravel.			
8						0.0	102EX2SB4(7-9') 1145	
9								
10					End of boring at 10 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' E of 102EX2SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/40	S-1		12" TOPSOIL (brown silt, some organics, glass).	0.0		No Monitoring Well Installed.
2					26" Brown SAND and SILT with fill (glass, metal, ash).	0.0		
3								
4								
5		72/45	S-2		2" FILL (coal ash and clinker) 12" SAA, increasing fill with depth.	0.0		
6								
7					3" Black SILT. 10" Black SILT with tan sand.			
8					8" Brown/tan SILT, dense.	0.0	102EX2SB5(7-9) 1150	
9					12" Tan fine to medium SAND.			
10					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' E of 102EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/32	S-1		14" TOPSOIL, trace fill (glass, wood).	0.0			
2					18" FILL (brown sand, white coal ash, clinker, glass), tar at 3.5 feet, trace brick.	0.0	102EX2SB6(1-3') 1200		
3									
4									
5		60/36	S-2		14" FILL (white ash, glass, plastic, coal, fibrous brown material).	0.0			No Monitoring Well Installed.
6							102EX2SB6(5-7') 1210		
7					4" Black SILT.	0.0			
8					18" Brown/tan fine to medium SAND and GRAVEL, pulverized gravel at 8'.		102EX2SB6(7-9') 1215		
9						0.0			
10					End of boring at 10 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB7 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' E of 102EX2SB6 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/24	S-1		4" TOPSOIL.	0.0		No Monitoring Well Installed.
					3" Pulverized GRAVEL.			
					2" Brown SAND and GRAVEL, some fill (ash and clinker).			
2					4" Pulverized GRAVEL.	0.0	102EX2SB7(1-3') 1220	
3					11" FILL (Brown/black sand and white ash, cinder, clinker, glass).			
4						0.0		
5		60/34	S-2		12" SAA.			
6							102EX2SB7(5-7') 1230	
7					10" Black SILT, some organics.	0.0		
8								
9					12" Tan/orange fine to medium SAND, some fine gravel.			
10					End of boring at 10 feet.	0.0		



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB8 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' N of 102EX2SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		60/28	S-1		4" TOPSOIL.			
1					24" FILL (brown sand with ash, coal, clinker, brick, glass).	0.0		
2							102EX2SB8(1-3') 1320 MS/MSD 1320	
3						0.0		
4								
5		60/44	S-2		12" SAA.			No Monitoring Well Installed.
6						0.0	102EX2SB8(5-7') 1330	
7					4" FILL (white cinder and ash with sand and wood, some orange mottling). 8" Black SILT, trace brick.			
8					20" Light brown/tan SILT.	0.0	102EX2SB8(7-9') 1335	
9								
10					End of boring at 10 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB9 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 10
 LOCATION Approximately 5' N of 102EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/36	S-1		3" TOPSOIL.	0.0		No Monitoring Well Installed.
2					16" Brown SAND with fill (glass, ash, styrofoam, wood, plastic).			
3					17" FILL (glass, ash, clinker, wood).	0.0		
4								
5		72/46	S-2		14" FILL (white ash, coal ash, clinker).			
6						0.0		
7					6" Pulverized GRAVEL.			
8					26" Tan fine to medium SAND, some fine gravel.	0.0	102EX2SB9(7-9) 1340	
9								
10								
					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER SB-102-6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/1/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 2.5' NE of 102EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs at (4').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/28	S-1		10" Dark brown SAND and GRAVEL, some organics, little glass and brick.	0.0			
2					18" Brown/black/red SAND with ash, wood, glass, clinker, some tar-like material with a fibrous mastic material.				
3									
4						0.0	SB-102-6(4') 1010		
5		72/34	S-2		10" SAA with lead screws.				No Monitoring Well Installed.
6									
7					12" Tan/gray SILT.	0.0			
8									
9					12" Tan/gray fine to medium SAND, orange mottling, trace rounded gravel.	0.0			
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 102EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/38	S-1		13" Brown SILTY SAND and GRAVEL, trace brick.	HS: 0.0	102EX1 SB1-A(5-7') 1055	No Monitoring Well Installed.	
2					6" Light brown/tan fine to coarse SAND, with gravel.				
3					19" FILL (brown sand, gravel, coal, ash, slate, brick, glass, trace metal).	HS: 0.0			
4									
5		72/50	S-2		13" SAA.	HS: 0.2			
6									
7					3" Brown SILT.	HS: 0.0			
					5" PEAT.	HS: 0.0			
8					29" Light brown/tan fine SAND, some gravel, dense.	HS: 0.0			
9									
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1A-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/16/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 102EX1SB1A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/41	S-1		19" Brown SILTY SAND and GRAVEL, trace fill (brick, ash, glass, coal).	HS: 0.0		No Monitoring Well Installed.	
2									
3					4" Pulverized GRAVEL.				
3					6" Dark brown SILTY SAND and GRAVEL.	HS: 0.0			
4					12" FILL (brown/orange sand, brick, glass, ash, coal, glass).				
5		72/56	S-2		11" SAA, with clinker.	HS: 0.0			
6					9" Black SILT, trace brick.				
7						HS: 0.0			
8					36" Tan/orange mottled SAND, little gravel.				
9						HS: 0.0			
10							102EX1SB1-A-1(9-11') 1230		
11					End of boring at 11 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1A-2 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 14.5
 DATE DRILLED 5/16/2013 & 7/19/13 TOTAL DEPTH (Feet) 18
 LOCATION Approximately 5 feet S of 102EX1SB1A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'), (7-9'), (9-11'), (13-15')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/40	S-1		20" Brown GRAVELLY SAND.	HS: 0.0		No Monitoring Well Installed.
2								
3					5" Dark brown/black SAND and ASH and COAL.			
4					15" FILL (orange/brown sand, ash, coal, glass, metal).	HS: 0.0		
5		72/56	S-2		12" SAA, with shell fragments, wood.	HS: 0.0		
6					10" Black SILTY PEAT with lots of wood, trace brick.		102EX1SB1A-2 (5-7') 1310	
7						HS: 0.0		
8					30" Tan/gray GRAVELLY SAND.		102EX1SB1A-2 (7-9') 1315	
9						HS: 0.0		
10					4" Pulverized GRAVEL.		102EX1SB1A-2 (9-11') 1320	
11					NO LITHOLOGY FOR THIS INTERVAL.			
12								
13		60/39			6" Dark brown SANDY SILT, trace gravel.			
14					5" Light brown SILTY SAND, some gravel.	OS: 0.0	102EX1SB1A-2 (13-15') 1300	
15					5" Gray/brown/black very very fine SAND, very loose.			
16					6" Light brown fine to medium SAND.			
17					17" Light brown very fine SAND, saturated.	OS: 0.0		
18					End of boring at 18 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1-B FILTER PACK TYPE NA
 TRC GEOLOGIST J. Fiero, J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 12.3
 DATE DRILLED 5/14/13 & 8/21/13 TOTAL DEPTH (Feet) 20.5
 LOCATION Approximately 5' W of 102EX1SB2 GROUND ELEVATION (Feet) NA
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 Box Truck
 NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'), (11-13'), (13-15').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/29	S-1		12" Brown fine to medium SAND and GRAVEL, some fill (glass, concrete, scrap metal, wood).	0.0		No Monitoring Well Installed	
2									
3					12" Brown fine to medium SAND with fill (glass, gravel).				
4						1.2			
5		48/36	S-2		12" SAA.				
6						0.0	102EX1SB1-B (5-7') 09:15		
7									
8					24" Tan fine SAND, trace fine to medium gravel, trace concrete.				
9						0.0	102EX1SB1-B (7-9') 09:20		
10		63/63	S-3		0-6" SLOUGH.				
11					6-12" Brown-gray to brown fine to medium SAND (SW).				
12					12-18" Gray to brown SILT and fine SAND, moist to wet (SM).	2.6	102EX1SB1-B (9-11') 08:45		
13					18-40" Brown-light brown to tan-orange fine to medium SAND, some to little coarse sand and fine to medium subrounded gravel (SW).	0.3	102EX1SB1-B (11-13') 08:50		
14					40-63" Brown SILT and fine SAND, trace medium sand and fine gravel, dense, saturated (SM).				
15		66/42	S-4		0-12" SLOUGH.				
16						0.0	102EX1SB1-B (13-15') 09:00		
17					12-42" Light brown fine to coarse SAND, some silt and fine to medium subrounded gravel, saturated (SW).				
18						0.0			
19						0.0			
20					End of boring at 20.5 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/16/13 & 7/19/13 TOTAL DEPTH (Feet) 19
 LOCATION Approximately 5 feet S of 102EX1SB2A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'),(11-13'),(13-15'),(15-17').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/31	S-1		5" TOPSOIL.			No Monitoring Well Installed.
2					2" Pulverized GRAVEL.	HS: 0.0		
3					19" Dark brown SILTY SAND with fill (gravel, brick, glass, clinker, coal, ash).	HS: 0.0		
4					1" Black granular SAND.			
5		72/52	S-2		4" Dark brown SILTY SAND with fill (gravel, brick, glass, clinker, coal, ash).	HS: 0.0	102EX1SB2A-1 (5-7') 1535	
6					15" FILL (dark brown silty sand, wood, glass, ash, coal).			
7					12" PEAT.	HS: 0.0		
8					8" Light brown/tan SILT.		102EX1SB2A-1 (7-9') 1540	
9					17" Gray/tan fine to coarse SAND, gravel.	HS: 0.0	102EX1SB2A-1 (9-11') 1545	
10					5" Brown SILTY SAND, little fill (glass, coal, brick).			
11		48/23			18" Tan SANDY SILT with gravel.	OS: 0.0	102EX1SB2A-1 (11-13') 1330	
12					15" SAA.	OS: 0.0	102EX1SB2A-1 (13-15') 1335	
13					15" Tan very fine SAND, completely saturated.	OS: 0.0	102EX1SB2A-1 (15-17') 1340	
14								
15								
16								
17								
18								
19					End of boring at 19 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson,J. Fiero SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/13 & 9/19/13 TOTAL DEPTH (Feet) 21
 LOCATION Approximately 5 feet E of 102EX1SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11'),(11-13'),(13-15'),(15-17'), (17-19').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/46	S-1		12" Brown SAND and GRAVEL.	HS: 0.0		No Monitoring Well Installed.	
2					12" FILL (white ash with red/brown sand, ash, coal, clinker).				
3					6" Dark brown/black SAND with gravel.				
4					14" FILL (reddish brown ash, coal, glass, metal, white ash).	HS: 0.0	102EX1 SB2-B(3-5') 1010		
5		60/33	S-2		2" Brown/red SILTY SAND.				
6					10" SAA.	HS: 0.0	102EX1 SB2-B(5-7') 1015		
7					20" PEAT, trace metal.				
8							102EX1 SB2-B(7-9') 1345		
9									
10					3" Brown SILT.	HS: 0.0	102EX1 SB2-B(9-11') 1350		
11		60/60	S-3		10" SAA.				
12					26" Gray/tan, orange mottled fine SAND.	HS: 0.0	102EX1 SB2-B(11-13') 1400		
13									
14					16" Tan fine to coarse SAND, some silt, sub-angular to sub-rounded gravel, moist to wet.		102EX1 SB2-B(13-15') 1405		
15					8" Orange/brown fine to coarse SAND and SILT, little to some fine to coarse sub-angular to sub-rounded gravel, saturated.				
16		48/38	S-4		19" Tan medium to coarse SAND with silt, little sub-angular to sub-rounded gravel, saturated.		102EX1 SB2-B(15-17') 1425		
17									
18					19" Tan silty fine to coarse SAND, little sub-angular to sub-rounded gravel, saturated.		102EX1 SB2-B(17-19') 1430		
19									
20		24/24	S-5		24" Tan/gray fine to coarse SAND with sub-angular to angular gravel, saturated.				
21					End of boring at 21 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2B-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson, J.Fiero SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/16/13 & 9/19/13 TOTAL DEPTH (Feet) 21
 LOCATION Approximately 5 feet E of 102EX1SB2B GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11'),(11-13'),(13-15'),(15-17'),(17-19').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/25	S-1		4" TOPSOIL.			No Monitoring Well Installed.	
2					8" Dark brown GRAVELLY SAND.	0.0			
3					13" FILL (red/brown sand, gravel, coal, glass, ash, plastic).	0.0			
4							102EX1SB2-B-1(3-5') 1435		
5		72/39	S-2		7" SAA.	0.0			
6					16" FILL (white ash, coal, glass).		102EX1SB2-B-1(5-7') 1440		
7						0.0			
8					10" PEAT.	0.3	102EX1SB2-B-1(7-9') 1605		
9					4" Gray pulverized GRAVEL.	0.0	102EX1SB2-B-1(9-11') 1610		
10					2" Fine SAND, little gravel.				
11					Tan fine to coarse SAND, some silt, fine to medium sub-angular gravel, wet.				
12						0.0	102EX1SB2-B-1(11-13') 1615		
13					Brown fine to coarse SILTY SAND, some medium sun-angular to sub-rounded gravel, wet.				
14						0.0	102EX1SB2-B-1(13-15') 1620		
15					SAA, saturated.				
16						0.0	102EX1SB2-B-1(15-17') 1630		
17					SAA.				
18						0.0	102EX1SB2-B-1(17-19') 1635		
19					Brown/gray fine SILTY SAND, little to trace fine sub-angular gravel, saturated.				
20									
21					End of boring at 21 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-2 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/16/13 & 7/19/13 & 8/21/13 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5 feet E of 102EX1SB2A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11'),(11-13'),(13-15'), (17-18'), (18-20') and VOCs at (4-6').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/43	S-1		11" Dark brown SILTY SAND and GRAVEL.			No Monitoring Well Installed.
2					22" FILL (brown/orange sand, glass, coal, ash, clinker, metal).	HS: 0.0		
3								
4					2" Dark brown/black SILT.		102EX1SB2A-2 (3-5') 1505	
5					2" Black SAND, loose.	HS: 11.6		
6		72/48	S-2		6" Dark brown/black SILT.		102EX1SB2A-2 (4-6') 1140	
7					12" FILL (white ash, coal, clinker, glass, gravel).	HS: 0.0	102EX1SB2A-2 (5-7') 1510	
8					12" PEAT.			
9					6" Tan SILT.		102EX1SB2A-2 (7-9') 1515	
10					18" Tan fine to coarse SAND and GRAVEL.	HS: 0.0	102EX1SB2A-2 (9-11') 1520	
11		48/44	S-3		12" Brown SILTY SAND, little fill (glass, coal, brick).			
12					26" Tan/orange fine to coarse SAND, some gravel.	HS: 0.0	102EX1SB2A-2 (11-13') 1420	
13								
14					2" Tan coarse SAND.		102EX1SB2A-2 (13-15') 1425	
15		48/26	S-4		3" Light brown SILT, wet.			
16					1" Pulverized GRAVEL, wet.			
17					10" Dark brown SILTY SAND, completely saturated.	HS: 1.2		
18					8" Light brown SILT, saturated.		102EX1SB2A-2 (17-18') 1150	
19					8" Light brown very fine SAND, completely saturated.		102EX1SB2A-2 (18-20') 1200	
20					End of boring at 19 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB3-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 102EX1SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3'),(5-7')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/40	S-1		2" ASPHALT. 12" Dark brown SILTY SAND with gravel, some fill (clinker, coal, brick, glass, porcelain).		102EX1 SB3-B(1-3') 1215	No Monitoring Well Installed.
2					4" Crushed CONCRETE.	HS: 0.0		
3					4" FILL (brown/black sand with glass, coal, ash).			
4					6" Black/brown fine SAND.			
5		72/56	S-2		14" SAA, lots of glass, wire.		102EX1 SB3-B(5-7') 1220	
6					13" PEAT.	HS: 0.0		
7					29" Gray fine to coarse SAND and GRAVEL.	HS: 0.0		
8						HS: 0.0		
9								
10						HS: 0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB4-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 102EX1SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/41	S-1		4" Brown SILTY SAND, little organics.	HS: 0.0	102EX1 SB4-A(3-5') 1345	No Monitoring Well Installed.	
2					10" FILL (brown/red sand, ash, coal, glass, scrap metal).	HS: 0.0			
3					2" FILL (coal, coke, ash). 5" Dark brown/red SILT.	HS: 0.0			
4					20" FILL (red/white/black ash, coal, glass, clinker, metal).	HS: 0.0			
5		72/46	S-2		12" SAA.	HS: 0.0	102EX1 SB4-A(5-7') 1350		
6					15" PEAT, moist at bottom.	HS: 0.0			
7					19" Tan fine to coarse SAND and GRAVEL.	HS: 0.0			
8						HS: 0.0			
9						HS: 0.0			
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB4A-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/16/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 102EX1SB4A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/26	S-1		10" TOPSOIL (sand, gravel, organics), trace leather.			No Monitoring Well Installed.	
2					13" FILL (white ash, coal, glass, metal, wood, leather).	HS: 0.0			
3									
4					3" BRICK.	HS: 0.0	102EX1SB4-A-1(3-5') 1410		
5		72/46	S-2		11" FILL (white ash, coal, glass, metal, wood, leather).				
6					13" PEAT.	HS: 0.0	102EX1SB4-A-1(5-7') 1415		
7									
8					22" Tan/gray GRAVELLY SAND.	HS: 0.0			
9									
10						HS: 0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB4-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 102EX1SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		5" Brown SILTY SAND and GRAVEL.		102EX1 SB4-B(3-5') 1320	No Monitoring Well Installed.
1					1" COBBLES.	HS: 0.0		
2					28" FILL (brown/red sand, ash coal, glass, cinders).			
3						HS: 0.3		
4								
5		72/50	S-2		5" SAA.	HS: 0.3		
6					12" FILL (white ash and sand).			
7					12" PEAT with trace fill (brick and coal).	HS: 0.0		
8					21" Tan/gray/brown fine to coarse SAND and GRAVEL.			
9						HS: 0.0		
10								
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB4B-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/16/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 102EX1SB4B GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/36	S-1		11" TOPSOIL (silty sand, gravel, organics).	HS: 0.0	102EX1SB4-B-1(3-5') 1330	No Monitoring Well Installed.	
2					25" FILL (white ash, coal, glass, clinker, gravel).	HS: 0.0			
3						HS: 0.0			
4						HS: 0.0			
5		72/55	S-2		12" SAA.	HS: 0.0			
6					6" FILL (white ash, coal, glass).	HS: 0.0			
7					14" PEAT.	HS: 0.0			
8					23" Gray/tan fine to coarse SAND and GRAVEL.	HS: 0.0			
9						HS: 0.0			
10						HS: 0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB13-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 102EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/43	S-1		1" ASPHALT.			No Monitoring Well Installed	
					6" Light brown SAND and GRAVEL.				
					3" FILL (black/red ash, clinker, coal, glass).	HS: 0.0			
2					3" Light brown fine to coarse SAND and GRAVEL, trace fill (coal).				
					13" Brown SILTY SAND and GRAVEL, trace fill (coal).				
3					17" Light brown fine to coarse SAND and GRAVEL.	HS: 0.0			
4									
5		72/51	S-2		33" Light brown fine to coarse SAND and GRAVEL.	HS: 0.0	102EX2 SB13-A(5-7') 1505		
6									
7						HS: 0.0			
8									
9					6" Brown/black SILT/PEAT, trace fill (coal), moist.				
					12" Tan/orange/gray fine SAND and GRAVEL.	HS: 0.0			
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB3-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet S of 102EX2SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/34	S-1		4" Brown SILTY SAND and GRAVEL, with organics.	HS: 0.0	102EX2 SB3-A(1-3') 1145	No Monitoring Well Installed.	
2					12" FILL (reddish brown SAND and ASH with glass, coke, coal, gravel, porcelain, scrap metal).	HS: 0.0			
3					18" Pulverized GRAVEL.	HS: 0.0			
4									
5		72/50	S-2		3" SAA.	HS: 0.0	102EX2 SB3-A(5-7') 1150		
6					4" FILL (wood with dark brown/black silt, trace brick, glass).	HS: 0.0			
7					4" BRICK.	HS: 0.0			
8					6" PEAT, some glass.	HS: 0.0			
9					3" Brown/light brown fine to coarse SAND and GRAVEL.	HS: 0.0			
10					30" Gray orange mottled fine to medium SAND with gravel.	HS: 0.0			
11					End of boring at 11 feet.	HS: 0.0			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB4-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 102EX2SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM		
1		60/52	S-1		12" Brown SILTY SAND, some gravel and organics.					
2					10" Brown SILTY SAND and fill (ash, coal, plastic, glass, brick, glass).	HS: 0.0	102EX2 SB4-A(1-3') 1400			
3					2" TAR like material, dense, slight petroleum-like odor.					
3					4" Brown SAND and GRAVEL.					
3					4" Pulverized CONCRETE/GRAVEL.	HS: 0.0				
4					6" FILL (ash, coal, clinker).					
4					4" Pulverized GRAVEL.					
4					2" Brown GRAVELLY SAND.					
5					6" Pulverized CONCRETE/GRAVEL.					
5		72/54	S-2		4" SAA.	HS: 0.0	102EX2 SB4-A(5-7') 1410			
6					1" TAR-like material, dense, slight oil-like odor.					
6					10" Brown/black/orange fine SAND and SILT.					
7					39" Gray fine to coarse SAND and GRAVEL.	HS: 0.0				
8										
9										
10						HS: 0.0				
11					End of boring at 11 feet.					

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX2SB8-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/14/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 102EX2SB8 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7'),(7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/43	S-1		8" Brown SILTY SAND, with gravel and organics.			No Monitoring Well Installed.	
2					20" Brown SILTY SAND, little fill (brick, coal, ash, glass).	HS: 0.0			
3						HS: 0.0			
4					15" FILL (brown/red sand, brick, coal, glass, ash, glass, clinker).	HS: 0.0			
5		72/53	S-2		6" SAA.	HS: 0.0			
6					6" FILL (white and black ash, coal, glass, wood).		102EX2 SB8-A(5-7') 1435		
7					4" PEAT.				
8					6" Pulverized GRAVEL/CONCRETE.	HS: 0.0			
9					8" Brown/light brown orange mottled SILT, moist.		102EX2 SB8-A(7-9') 1440		
10					23" Brown/tan fine to coarse SAND and GRAVEL, moist.	HS: 0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB1B-1 FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan/J. Robinson SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H.Rembijas DEPTH TO WATER (Approximate Feet) 14
 DATE DRILLED 5/14/13 & 6/19/13 TOTAL DEPTH (Feet) 19
 LOCATION Approximately 5' west of 102EX1SB1-B GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
 NOTES Sampled for PCBs (5-7'),(7-9'), (9-11'),(11-13'),(13-15'), (15-17').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/24	S-1		3" TOPSOIL.	11.0		No Monitoring Well Installed.
2					21" FILL (glass, coal, ceramic, brick in silty sand).			
3								
4								
5		60/40	S-2		10" FILL (glass) in silty sand.	7.1		
6					10" Black PEAT.		102EX1 SB1-B-1(5-7') 1555	
7								
8					20" Gray to tan fine-medium SAND, little gravel.		102EX1 SB1-B-1(7-9') 1600	
9								
10		48/24	S-3		24" Tan fine SAND, little fine-medium gravel, wet @ 14 feet.	10.1	102EX1 SB1-B-1(9-11') 1605	
11								
12							102EX1SB1B-1 (11-13) (MS/DUP) 0910	
13							DUP-01 1010	
14							102EX1SB1B-1 (13-15) 0915	
15		36/20	S-4		10" Tan coarse SAND, wet.			
16					10" Tan fine SAND, little silt, wet.		102EX1SB1B-1 (15-17) 0917	
17								
18		24/20	S-5		20" Tan fine SAND, little silt, wet.			
19					End of Boring @ 19 feet			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB1B-1B1 FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) N/A
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' S of 102EX1SB1B-1B GROUND ELEVATION (Feet) N/A
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) N/A
 DRILLING METHOD Direct Push - 6620DT Track Rig
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1	N/A	60/24	S-1		24" FILL (glass, ash, plastic, coal, clinker).	-			
2									
3									
4									
5	N/A	60/36	S-2		12" FILL (glass, ash, plastic, coal, clinker). 12" Black PEAT.	0.8	102EX1SB1B-1B1 (5-7) 1430		
6									
7					12" Light gray fine SAND.				No Monitoring Well Installed
8									
9									
10	N/A	36/36	S-3		30" Tan-gray fine SAND.	-			
11									
12									
13					6" Dense, tan SILT, trace gravel. End of Boring @ 13 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB2A-1B2 FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) N/A
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' E of 102EX1SB2A-1B GROUND ELEVATION (Feet) N/A
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) N/A
 DRILLING METHOD Direct Push - 6620DT Track Rig
 NOTES Sampled for PCBs (5-7'), (7-9'), (9-11')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1	N/A	60/28	S-1		8" Brown fine to medium SILTY SAND, little fine to medium gravel. 20" FILL (clinker, ash, glass).	1.0		No Monitoring Well Installed.
2	N/A							
3	N/A							
4	N/A							
5	N/A	60/26	S-2		2" FILL (clinker, ash, glass). 18" Black PEAT.	12.0	102ESX1SB2A-1B2 (5-7) 1725	
6	N/A							
7	N/A				6" Brown SILT, little clay.			
8	N/A						102ESX1SB2A-1B2 (7-9) 1727	
9	N/A							
10	N/A	36/24	S-3		12" Brown SILT, little clay.	6.8	102ESX1SB2A-1B2 (9-11) 1730	
11					12" Medium tan SAND, little fine gravel.			
12								
13					End of Boring @ 13 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 **SCREEN TYPE/SLOT** N/A
BORING/WELL NUMBER 102EX1SB2B-1A **FILTER PACK TYPE** N/A
TRC GEOLOGIST K. Jordan / Z. Richards **SEAL TYPE** N/A
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor **DEPTH TO WATER (Approximate Feet)** N/A
DATE DRILLED 6/19/2013 **TOTAL DEPTH (Feet)** 13
LOCATION Approximately 5' N of 102EX1SB2A-1A1 **GROUND ELEVATION (Feet)** N/A
SAMPLING METHOD 60" Macrocore **REFERENCE ELEVATION (Feet)** N/A
DRILLING METHOD Direct Push - 6620DT Track Rig
NOTES Sampled for PCBs (3-5).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1	NA	60/20	S-1		0-6" TOPSOIL.	1.7	102EX1SB2B-1A (3-5) 1702	No Monitoring Well Installed	
2					6-20" Light Brown fine to medium SAND, little fine gravel.				
3									
4									
5					0-8" Light Brown fine to medium SAND, little fine gravel.				
6	NA	60/18	S-2		8-16" Brown PEAT.	11.8			
7					16-18" Gray-brown SILT, little clay.				
8									
9	NA	36/24	S-3		0-16" Gray-brown SILT, little clay.	2.0			
10									
11					10-24" Gray Brown SILT				
12									
13					End of Boring @ 13 feet				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB2A-1A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST Kevin Jordan SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry DEPTH TO WATER (Approximate Feet) 14
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' west of 102EX1SB2A-1A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/29	S-1		5" TOPSOIL.	1.0		<div style="text-align: center;"> </div>
2					24" FILL (glass, ash, coal, clinker, tar @ 4.5 feet)			
3								
4								
5		60/12	S-2		8" FILL (glass, ash, coal, clinker, tar @ 4.5 feet)			
6							102EX1SB2A-1A1 (5-7) 1155	
7								
8							102EX1SB2A-1A1 (7-9) 1157	
9					4" Black PEAT.			
10		36/18	S-3		9" Tan fine-medium SAND, little gravel.			
11							102EX1SB2A-1A1 (9-11) 1200	
12					9" Tan to orange medium-coarse SAND, some fine-medium gravel, wet @ 14 feet.			
13					End of Boring @ 13 feet			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB1B-1A FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan/J. Robinson SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 6/19/13 & 7/19/13 TOTAL DEPTH (Feet) 18
 LOCATION Approximately 5' north of 102EX1SB1B-1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
 NOTES Sampled for PCBs (5-7),(7-9), (9-11),(11-13),(13-15).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/30	S-1		14" TOPSOIL, trace brick.	2.1		No Monitoring Well Installed.
2					2" Gray fine SAND.			
3					10" FILL (glass, styrofoam, coal ash).			
4					4" Pulverized CONCRETE.			
5		60/36	S-2		14" FILL (glass, coal, brick, ash) in silty sand.	1.1	102EX1SB1B-1A (5-7) 0945	
6					8" Black PEAT.			
7					14" Tan fine-medium SAND, little gravel.		102EX1SB1B-1A (7-9) 0947	
8					18" Tan fine-medium SAND, little gravel.		102EX1SB1B-1A (9-11) 0950	
9		36/30	S-3		12" Tan SILT, some fine sand, little fine gravel.	0.4	102EX1SB1B-1A (11-13) 0955	
10					6" Brown SILT, wet.	0.0		
11		60/21			11" Tan fine SAND and GRAVEL, wet.		102EX1SB1B-1A (13-15) 1245	
12					2" Pulverized GRAVEL.	0.0		
13					2" Tan SILT and GRAVEL, wet.			
14					End fo boring @ 18 feet.			
15								
16								
17								
18								



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB1B-1A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan/J. Robinson SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 6/19/13 & 7/19/13 TOTAL DEPTH (Feet) 18
 LOCATION Approximately 5' north of 102EX1SB1B-1A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11),(11-13).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/36	S-1		10" TOPSOIL.	4.0		No Monitoring Well Installed.
2					7" Brown fine-medium SAND.			
3					19" FILL (clinker, glass, plastic, paper).			
4								
5		60/40	S-2		6" FILL (clinker, glass, plastic, paper).	6.2		
6					14" PEAT.		102EX1SB1B-1A1(5-7) 1010	
7								
8					16" Gray to tan fine SAND, some medium gravel.		102EX1SB1B-1A1(7-9) 1012	
9					4" Gray SILT.			
10		36/36	S-3		36" Tan fine SAND, moist.	1.3	102EX1SB1B-1A1(9-11) 1015	
11								
12								
13		60/60	S-4		27" Brown SAND and FILL (glass, ash), completely saturated.		102EX1SB1B-1A1(11-13) 1017	
14								
15					15" Light brown very fine SAND, wet.	0.0		
16								
17					18" Light brown fine to medium SAND, little gravel.	0.0		
18					End of boring @ 18 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 **SCREEN TYPE/SLOT** N/A
BORING/WELL NUMBER 102EX1SB1B-1A2 **FILTER PACK TYPE** N/A
TRC GEOLOGIST Kevin Jordan **SEAL TYPE** N/A
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry **DEPTH TO WATER (Approximate Feet)** Not Encountered
DATE DRILLED 6/19/2013 **TOTAL DEPTH (Feet)** 13
LOCATION Approximately 5' west of 102EX1SB1B-1A **GROUND ELEVATION (Feet)** _____
SAMPLING METHOD 60" Macrocore **REFERENCE ELEVATION (Feet)** _____
DRILLING METHOD Direct Push - 7822 DT Track Rig
NOTES Sampled for PCBs (5-7),(7-9),(9-11),(11-13).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/24	S-1		6" TOPSOIL.	0.5		No Monitoring Well Installed.
2					18" FILL (glass, rust, coal) in silty sand.			
3								
4								
5		60/32	S-2		8" FILL (glass, rust, coal) in silty sand.	1.5		
6					16" Gray fine SAND and pulverized GRAVEL.		102EX1SB1B-1A2 (5-7) 1030	
7								
8								
9					8" Black to brown PEAT.		102EX1SB1B-1A2 (7-9) 1032	
10		36/28	S-3		16" Dark gray SILT.	0.6	102EX1SB1B-1A2 (9-11) 1035	
11								
12					12" Tan medium-coarse SAND, little gravel.		102EX1SB1B-1A2 (11-13) 1037	
13					End of Boring @ 13 feet			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1B-1B FILTER PACK TYPE NA
 TRC GEOLOGIST K. Jordan, J. Fiero SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 18.5
 DATE DRILLED 6/19/13 & 8/21/13 TOTAL DEPTH (Feet) 21
 LOCATION Approximately 5' west of 102EX1SB1B-1 GROUND ELEVATION (Feet) NA
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 Box Truck
 NOTES Sampled for PCBs (5-7),(7-9),(9-11'), (11-13'), (13-15') and VOCs at 5-7'

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/24	S-1		7" TOPSOIL, trace glass.	13.5		No Monitoring Well Installed
2					17" FILL (glass, coal), with sand.	0.5		
3						1.0		
4								
5		60/28	S-2		4" FILL (glass, coal), with sand.	24.9		
6					14" Black PEAT.	7.0	102EX1SB1B-1B (5-7) 09:55 DUP	
7					10" Gray fine SAND.	0.3	102EX1SB1B-1B (7-9) 11:22	
8								
9								
10		60/42	S-3		0-12" SLOUGH.		102EX1SB1B-1B (9-11') 11:25	
11								
12					12-18" Gray to light brown silty fine SAND (SM).	0.0	102EX1SB1B-1B (11-13') 10:15	
13					18-42" Light brown to tan fine to medium SAND, some silt, coarse sand, and little fine to medium subangular to subrounded gravel, moist (SW).	0.1	102EX1SB1B-1B (13-15') 10:20	
14								
15		72/54	S-4		0-42" Dark brown fine SANDS with intermixed overburden DEBRIS [FILL].			
16								
17								
18								
19					42-54" Tan fine SAND, some to little medium to coarse SAND, silt, and fine to medium subangular gravel, saturated, dense (SW).			
20								
21					End of boring at 21 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB2-A FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan/J. Robinson SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas DEPTH TO WATER (Approximate Feet) 15
 DATE DRILLED 5/14/13 & 6/19/13 TOTAL DEPTH (Feet) 19
 LOCATION Approximately 5' south of 102EX1SB1-B GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11'),(11-13'),(13-15'),(15-17'),(17-19')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/20	S-1		4" TOPSOIL.	10.1		No Monitoring Well Installed.
2					8" Dark brown fine-medium SILTY SAND, trace fill (coal).			
3					2" FILL (coal/ash).			
4					6" FILL (coal, ash, glass, fine sand).		102EX1 SB2-A(3-5') 935	
5		60/36	S-2		10" FILL (coal, ash, glass, fine sand).	13.4		
6					10" Brown to black SILTY SAND, some angular gravel.		102EX1 SB2-A(5-7') 940	
7					7" Brown PEAT, wet (perched).		102EX1 SB2-A(7-9') 945	
8					9" Gray fine-medium SAND, little gravel.			
9					3" Gray SILT and FILL (glass, coal), dry.	4.6	102EX1 SB2-A(9-11') 950	
10		60/36	S-3		33" Tan fine-coarse SAND, little fine-medium gravel, dry.			
11							102EX1SB2-A (11-13) 0955	
12							102EX1SB2-A (13-15) 0833	
13								
14								
15		48/14	S-4		14" Tan fine SAND, wet.			
16							102EX1SB2-A (15-17) 0835	
17								
18							102EX1SB2-A (17-19) 0837	
19					End of Boring @ 19 feet			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1A FILTER PACK TYPE NA
 TRC GEOLOGIST K. Jordan, J. Fiero SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 17.8
 DATE DRILLED 6/19/13&&21/13 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5 feet S of 102EX1SB2A GROUND ELEVATION (Feet) NA
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 Box Truck
 NOTES Sampled for PCBs (5-7),(7-9),(9-11'), (11-13'), (13-15').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/12	S-1		1" TOPSOIL.			No Monitoring Well Installed
2					11" FILL (glass, clinker, rust).			
3								
4								
5		60/34	S-2		12" FILL (glass, clinker, rust, ash layer @ 6.5 feet).	7.5	102EX1SB2A-1A (5-7) 1230	
6								
7					12" Black PEAT.			
8							102EX1SB2A-1A (7-9) 1232	
9					10" Tan to gray fine SAND, little fine gravel.			
10		36/24	S-3		24" Tan-gray to orange fine to coarse SAND, little fine to medium gravel.	1.0	102EX1SB2A-1A (9-11') 1235	
11								
12							102EX1SB2A-1A (11-13') 1237	
13		24/24	S-4		0-24" Tan to orange/brown fine SAND with some silt, little to trace medium to coarse sand and fine to medium subangular to subrounded gravel (SW).	0.0	102EX1SB2A-1A (13-15') 14:35	
14								
15		60/51	S-5		0-33" SLOUGH.			
16								
17								
18							▽	
19					33-51" Tan fine to coarse SAND, little silt, and fine to medium sub-angular to sub-rounded gravel, saturated (SP).	0.1		
20					End of boring at 20 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1B FILTER PACK TYPE NA
 TRC GEOLOGIST K. Jordan, J. Fiero SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 14
 DATE DRILLED 8/21/2013 TOTAL DEPTH (Feet) 25
 LOCATION Approximately 5 feet S of 102EX1SB2A GROUND ELEVATION (Feet) NA
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 Truck and 7822 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11'), (11-13'), (13-15').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/24	S-1		2" TOPSOIL.	0.7		No Monitoring Well Installed
2					22" FILL (brick, ash, glass, coal, clinker).			
3								
4								
5		60/28	S-2		12" FILL (brick, ash, glass, coal, clinker).	4.9	102EX1SB2A-1B (5-7) 14:05	
6								
7					8" Black PEAT.			
8					8" Gray SILT, little fine sand, trace metal.		102EX1SB2A-1B (7-9) 14:07	
9								
10		60/60	S-3		36" Light brown to orange fine to medium SAND, little coarse sand and fine to medium subangular gravel, dry (SW).		102EX1SB2A-1B (9-11) 14:10	
11								
12						0.2	102EX1SB2A-1B (11-13') 14:12	
13					12" Gray-brown fine SAND, little medium sand, little to trace coarse sand and fine subangular gravel, moist to wet, dense (SW).		102EX1SB2A-1B (13-15') 13:50	
14						0.2		
15		60/60	S-4		12" Orange brown SILTY fine SAND, trace medium sand and fine subangular to subrounded gravel, saturated, very dense (SM).		102EX1SB2A-1B (15-16') 13:55	
16					42" SLOUGH.	0.3		
17								
18								
19					18" Tan fine SAND with some medium to coarse SAND, SILT, and fine to medium subangular to subrounded GRAVEL, saturated (SP).	0.2		
20		60/60	S-5		36" SLOUGH.			
21								
22								
23					24" Brown fine SAND, little to trace silt, medium sand and fine subangular to subrounded gravel, saturated to dense, (SW).	0.1		
24								
25					End of boring at 25 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB4A-1B FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) Not Encountered
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' east of 102EX1SB4A-1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (3-5).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/22	S-1		2" TOPSOIL.	120.8	102EX1SB4A-1B (3-5) 1757	No Monitoring Well Installed.
2					12" FILL (glass, ash, fabric w/ strong odor @ 2.8 feet bgs), some sand and silt.			
3					3" Crushed STONE.			
4					5" FILL (wood, ash, ceramic).			
5		60/39	S-2		12" FILL (glass, ash, coal, clinker).	13.0		
6								
7					15" Dark brown PEAT, little wood and organics.			
8								
9					12" Light tan fine-coarse SAND, some gravel.			
10		36/36	S-3		36" Light tan fine-coarse SAND, some gravel.	1.2		
11								
12								
13					End of Boring @ 13 feet			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB2A-1C FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan/J. Robinson SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas DEPTH TO WATER (Approximate Feet) 15
 DATE DRILLED 6/19/13 & 7/19/13 TOTAL DEPTH (Feet) 18
 LOCATION Approximately 5' south of 102EX1SB2A-1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11),(11-13),(13-15),(15-17), (17-18).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/15	S-1		7" TOPSOIL.	1.2		No Monitoring Well Installed.
2					8" FILL (coal, ash, rust, glass).			
3								
4								
5		60/20	S-2		3" FILL (coal, ash, rust, glass).	1.3		
6					9" Black PEAT.		102EX1SB2A-1C (5-7) 1335	
7								
8					8" Gray SILT, little fine sand.		102EX1SB2A-1C (7-9) 1337	
9								
10		36/14	S-3		14" Gray to tan fine-coarse SAND, little fine-medium gravel.	2.5	102EX1SB2A-1C (9-11) 1340	
11								
12							102EX1SB2A-1C (11-13) 1342	
13								
14		60/26	S-4		8" Brown/tan SILTY SAND, trace fill.	0.0	102EX1SB2A-1C (13-15) 1400	
15					11" Light brown/orange fine to medium SAND, little gravel, wet.			
16							102EX1SB2A-1C (15-17) 1405	
17					7" Light brown very fine SAND, completely saturated.	0.0		
18					End of boring @ 18 feet.		102EX1SB2A-1C (17-18) 1410	



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1C1 FILTER PACK TYPE NA
 TRC GEOLOGIST K.Jordan, J. Fiero SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 14
 DATE DRILLED 6/19/13&&21/13 TOTAL DEPTH (Feet) 19
 LOCATION Approximately 5' south of 102EX1SB2A-1C GROUND ELEVATION (Feet) NA
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 Box Truck
 NOTES Sampled for PCBs (5-7),(7-9),(9-11'), (11-13'), (13-15'), (15-17') and VOCs (5-7), (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/28	S-1		4" TOPSOIL.	10.2		No Monitoring Well Installed
2					24" FILL (ash, clinker, brick, glass).	19		
3								
4						27		
5		60/28	S-2		8" FILL (ash, clinker, brick, glass).	8.1		
6					12" Black PEAT.	27	102EX1SB2A-1C1 (5-7) 12:45	
7								
8						54	102EX1SB2A-1C1 (7-9) 12:50	
9					2" Gray fine SAND. 2" Black PEAT.			
10		60/60	S-3		4" Dark gray SILT.	13.5	102EX1SB2A-1C1 (9-11') 14:40	
11					10" SLOUGH.			
12					50" Tan to light brown fine SAND, some to little medium to coarse sand, silt, and fine to medium subangular to subrounded gravel, dense, moist 13-14', saturated 14-15'+ (SW).		102EX1SB2A-1C1 (11-13') 14:42	
13								
14						0.3	102EX1SB2A-1C1 (13-15') 13:20	
15		46/22	S-4		10" SLOUGH.			
16						0.0	102EX1SB2A-1C1 (15-17') 13:25	
17					12" Tan to light brown fine SAND, some to little medium to coarse sand, silt, and fine to medium subangular to subrounded gravel, dense, saturated (SW).			
18								
19					End of boring at 19 feet (REFUSAL).			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB2A-2A FILTER PACK TYPE N/A
 TRC GEOLOGIST K. Jordan, J. Fiero SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/Perry, Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 6/19/13 & 9/19/13 TOTAL DEPTH (Feet) 21
 LOCATION Approximately 5' south of 102EX1SB2A-2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" & 48" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 7822 DT Track Rig
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'), (9-11'), (11-13'), (13-15'), (15-17'), (17-19'), (19-21') and VOCs at (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/18	S-1		6" TOPSOIL.	7.9		No Monitoring Well Installed.
2					12" FILL (coal, ash, clinker, glass).		102EX1SB2A-2A (3-5) 1512	
3								
4								
5		60/28	S-2		8" FILL (coal, ash, clinker, glass).	24.6	102EX1SB2A-2A (5-7) 1515	
6								
7					12" Black PEAT.			
8							102EX1SB2A-2A (7-9) 1517	
9					6" Gray SILT.			
10		36/18	S-3		2" Tan fine-medium SAND, little fine gravel. 18" Tan fine-medium SAND, little fine gravel.	6.2	102EX1SB2A-2A (9-11) 1250	
11								
12							102EX1SB2A-2A (11-13) 1522	
13		48/48	S-4		48" Tan, fine to coarse SAND, little silt and fine to medium sub-angular gravel, saturated at 15'.			
14							102EX1SB2A-2A (13-15) 1310	
15								
16							102EX1SB2A-2A (15-17) 1315	
17		48/34	S-5		17" Dark gray/brown SILT, little fine to coarse sand, fine to medium sub-angular to sub-rounded gravel, slight oil-like odor (1.9 ppm).			
18							102EX1SB2A-2A (17-19) 1325	
19								
20					17" Tan/brown fine SAND, little to some medium to coarse sand and silt, fine to medium sub-angular gravel, slight oil-like odor.	1.9	102EX1SB2A-2A (19-21) 1330	
21					End of boring at 21 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB2A-2A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST K.Jordan & J.Fiero SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN NEG/Maynor, Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 6/19/13 & 9/19/13 TOTAL DEPTH (Feet) 21
 LOCATION Approximately 5' south of 102EX1SB2A-2A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (1-3'),(3-5'),(5-7'),(7-9'),(9-11'),(11-13'),(13-15'),(15-17'),(17-18'),(19-21')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/20	S-1		6" TOPSOIL.	10.7		No Monitoring Well Installed.	
2					14" FILL (ash, clinker, brick).		102EX1SB2A-2A1(1-3') 1445		
3									
4							102EX1SB2A-2A1(3-5') 1450		
5		60/28	S-2		10" FILL (ash, rust, coal, glass).				
6						0.3	102EX1SB2A-2A1(5-7') 1500		
7					10" Black PEAT.				
8							102EX1SB2A-2A1(7-9') 1505		
9					8" Gray fine-medium SILTY SAND, trace fine gravel.				
10		36/18	S-3		18" Gray to tan fine-coarse SAND, little fine-medium gravel, little orange sand.		102EX1SB2A-2A1(9-11') 1515		
11									
12						0.0	102EX1SB2A-2A1(11-13')		
13									
14					Brown fine to coarse SAND, some to little fine to medium gravel, wet.		102EX1SB2A-2A1(13-15') 1530		
15									
16					Gray fine to medium SILTY SAND, some to little coarse sand, wet to saturated.	0.0	102EX1SB2A-2A1(15-17') 1540		
17									
18					Tan SILT with some fine sand and fine to coarse gravel, saturated.	0.0	102EX1SB2A-2A1(17-18') 1545		
19									
20					Tan fine SAND.	0.0	102EX1SB2A-2A1(19-21') 1550		
21					End of boring at 21 feet.	0.0			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX1SB4A-1A FILTER PACK TYPE N/A
 TRC GEOLOGIST Kevin Jordan SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) Not Encountered
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' south of 102EX1SB4A-1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (3-5).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/28	S-1		4" TOPSOIL.	1.8	102EX1SB4A-1A (3-5) 1632	No Monitoring Well Installed.
2					24" Dark brown fine-medium SAND, trace fine gravel.			
3								
4								
5		60/28	S-2		16" Tan fine SAND, trace fine gravel.	8.5		
6								
7								
8					12" Dark brown PEAT.			
9								
10		36/26	S-3		14" Dark brown SILT, little fine gravel.	2.5		
11								
12					12" Tan to gray fine SAND, little fine gravel.			
13					End of Boring @ 13 feet			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX2SB8-A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN Geosearch/Rodney Dean DEPTH TO WATER (Approximate Feet) Not Encountered
 DATE DRILLED 6/27/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' east of 102EX2SB8-A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 2' Split Spoon REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD HSA - CME 55
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1	3	12/10	SS-1		10" TOPSOIL.			No Monitoring Well Installed.	
2	3	24/11	SS-2		3" Brown SILTY SAND, little subangular gravel, trace fill (coal). 7" Tan fine-coarse SAND, little gravel.	OS: 0.0			
3	3	24/11	SS-3		1" Brown fine-coarse SAND, little silt and gravel. 8" Tan fine-coarse SAND, little silt and gravel.	OS: 0.0			
4	3				2" Tan SILT, some fine sand.	OS: 0.0			
5	2	24/14	SS-4		1" Tan fine-coarse SAND, little silt and gravel.				
6	1				3" SLOUGH.				
7	1				5" Tan fine-medium SAND, some silt and coarse sand, little fine gravel, moist.	OS: 0.0	102EX2SB8-A1 (5-7)		
8	4	24/16	SS-5		3" Dark Brown SILT (PEAT).		1310		
9	6				2" Crushed STONE.				
10	6	24/18	SS-6		11" Brown to light gray SILT, some fine sand, trace gravel, dense.	OS: 0.0			
11	9				5" Brown to light gray SILT, some fine sand, trace gravel, dense. 13" Tan fine-medium SAND, some coarse sand, little gravel (TILL).	OS: 0.0			
11	21				End of Boring @ 11 feet				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 102EX2SB8-A2 FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN Geosearch/Rodney Dean DEPTH TO WATER (Approximate Feet) Not Encountered
 DATE DRILLED 6/27/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' north of 102EX2SB8-A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 2' Split Spoon REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD HSA - CME 55
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1	5	12/9	SS-1		9" TOPSOIL.			No Monitoring Well Installed.	
2	4	24/12	SS-2		5" Brown SILTY SAND, some fill (ash, coal, glass), trace gravel.	OS: 0.0	102EX2SB8-A2 (5-7) 1340		
3	3				7" FILL (rust, glass, ash, coal) in brown fine sand and silt.				
4	3	24/6	SS-3		6" FILL (glass, rust, coal, ash, clinker).	OS: 0.0			
5	1	24/7	SS-4		7" FILL (glass, rust, coal ash, coal, rubber) in brown silty sand.	HS: 2.8			
6	1								
7	1								
8	70	24/12	SS-5		1" FILL (glass, rust, coal ash, coal, rubber) in brown silty sand.	OS: 0.0			
9	49				8" Crushed STONE.				
10	21	24/18	SS-6		3" Fine-coarse SAND, little gravel, dense (TILL).	OS: 0.0			
11	18				12" Fine-coarse SAND, little gravel, dense (TILL).				
12	20				6" Orange fine-coarse SAND, some gravel (high iron content).				
13	14				End of Boring @ 11 feet				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1B-1A1C FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson/ A. Ting SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 7/19/2013 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' W of 102EX1SB1B-1A2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe Truck Rig
 NOTES Sampled for PCBs (9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/32	S-1		9" Brown SILTY SAND with organics.	OS:0.0		No Monitoring Well Installed.
2					18" Brown SILTY SAND, trace-little fill (glass, gravel).	OS:0.0		
3						OS:0.0		
4					5" FILL (GLASS and WOOD).			
5		60/49	S-2		4" SAA.	OS:0.0		
6					13" TAR, viscous, sticky.			
7					13" Black/reddish SILTY SAND and FILL (tar, wood, glass).	OS:1.2		
8					2" GRAVEL.	OS:1.8		
9					2" Pulverized GRAVEL.			
10					13" Gray SILT, SAND, and GRAVEL.			
11		60/38	S-3		2" Orange/tan SAND and SILT.		102EX1SB1B-1A1C(9-11') 1145 DUP-1/(MS/MSD) 1145	
12					20" SAA.	OS:0.0		
13					10" Dark brown fine to coarse SAND, wet.			
14					8" Light brown fine SAND with gravel, wet.			
15					End of boring at 15 feet.			
16								
17								
18								
19								
20								



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB1B-1A2A FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson/ A. Ting SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) 12.5
 DATE DRILLED 7/19/2013 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' S of 102EX1SB1B-1A2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe Truck Rig
 NOTES Sampled for PCBs (9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/26	S-1		5" Brown SILTY SAND.			No Monitoring Well Installed.
2					10" Light brown/tan SILT, orange mottling.	OS:0.0		
3					9" FILL (black ash, coal, coke ash, tar at 5', glass).	OS:0.2		
4								
5		60/32	S-2		10" FILL (brown sand, glass, coal, gravel).	OS:0.0		
6								
7					4" Black SILT, trace fill.			
8					18" Gray/light brown fine SAND, little gravel.	OS:0.0		
9								
10		60/32	S-3		15" Light brown orange mottled SAND and GRAVEL.		102EX1SB1B-1A2A(9-11') 1115	
11						OS:0.0		
12								
13					17" Light brown fine SAND and orange mottled SILT, little gravel, wet.			
14						OS:0.0		
15					End of boring at 15 feet.			
16								
17								
18								
19								
20								



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1B1A FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson/ A. Ting SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMANNE Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) 13.5
 DATE DRILLED 7/19/2013 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' N of 102EX1SB2A-1B1A1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe Truck Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/30	S-1		7" Brown SILTY SAND and GRAVEL and ORGANICS.				No Monitoring Well Installed.
2					2" Pulverized GRAVEL.	OS:3.8			
3					21" FILL (brown/red sand, ash, coal, glass).				
4									
5		60/26	S-2		6" FILL (black sand with fibrous stringy material).	OS:0.0			
6					4" Pulverized GRAVEL.		102EX1SB2A-1B1A(5-7) 0935		
7					3" FILL (brown silty sand and coal).	OS:0.0			
8					5" Black PEAT/SILT, trace fill.		102EX1SB2A-1B1A(7-9) 0940		
9					8" Gray SILT, orange mottling.	OS:0.0			
10		84/38	S-3		8" SAA.		102EX1SB2A-1B1A(9-11') 0945		
11						OS:0.0			
12					11" Gray/tan fine to coarse SAND and GRAVEL.				
13						OS:0.0			
14					7" Gray/tan fine to coarse SAND, wet, some pulverized gravel.				
15					7" Gray/tan SILT, wet.	OS:0.0			
16					5" Gray/tan fine to coarse SAND, wet.				
17					End of boring at 17 feet.				
18									
19									
20									



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1B1B FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson/ A. Ting SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMANNE Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) 13.5
 DATE DRILLED 7/19/2013 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' N of 102EX1SB2A-1B1B1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe Truck Rig
 NOTES Sampled for PCBs (5-7'),(7-9'),(9-11')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/26	S-1		7" Brown SILTY SAND and ORGANICS.			No Monitoring Well Installed.	
2					4" FILL (white ash).	OS:1.0			
3					10" FILL (brown/red sand, ash, coal, glass).				
4					5" FILL (white ash, coal).	OS:1.0			
5		60/32	S-2		16" FILL (brown SILTY SAND, glass, coal, white ash at 6.5')	OS:1.0			
6						OS:1.4	102EX1SB2A-1B1B(5-7') 0900		
7						OS:0.6			
8					8" Black PEAT/SILT, trace fill in upper horizon.		102EX1SB2A-1B1B(7-9') 0905		
9					8" Gray fine to coarse SAND and GRAVEL.	OS:4.5			
10		84/32	S-3		16" SAA.		102EX1SB2A-1B1B(9-11') 0910		
11									
12									
13									
14					10" Light brown SILT, trace gravel, moist.				
15									
16					6" Brown fine SAND, wet.				
17					End of boring at 17 feet.				
18									
19									
20									



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1B2A FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson/ A. Ting SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMANNE Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) 12.5
 DATE DRILLED 7/19/2013 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' East of 102Ex1SB2A-1B2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe Truck Rig
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/36	S-1		6" TOPSOIL (brown silty sand and organics).			No Monitoring Well Installed.
2					16" FILL (red/brown/black sand, ash, coal, plastic).			
3					14" FILL (white chalky ash, coal, glass).	OS:1.4		
4								
5		60/24	S-2		6" SAA.	OS:2.4		
6					4" Black PEAT, trace fill.		102EX1SB2A-1B2A(5-7) 0805	
7					10" Gray fine SAND.			
8						OS:<1	102EX1SB2A-1B2A(7-9) 0810	
9					4" Gray SILT, moist.			
10		84/48	S-3		8" SAA.	OS:<1		
11					13" Light brown fine to coarse orange mottled SAND and GRAVEL.			
12						OS:<1	▽	
13					2" Brown/red fine SAND, wet.			
14					4" Brown/red fine to coarse SAND, wet.	OS:<1		
15					15" Brown SILT, wet.			
16						OS:<1		
17					4" Brown/tan SILT and GRAVEL. End of boring at 17 feet.			
18								
19								
20								



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 102EX1SB2A-1C1A FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson/ A. Ting SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMANNE Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) 11
 DATE DRILLED 7/19/2013 TOTAL DEPTH (Feet) 20
 LOCATION Approximately 5' E of 102EX1SB2A-1C1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe Truck Rig
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/37	S-1		7" Brown SILTY SAND, some organics.			No Monitoring Well Installed.
2					23" FILL (brown/red/black sand, ash, glass, gravel).	OS: 0.7		
3								
4					7" FILL (white/tan ash, coal).	OS: 12		
5		60/41	S-2		6" SAA.			
6					2" FILL (black coal).		102EX1SB2A-1C1A(5-7) 0750	
7					2" FILL (red/brown sand, ash)			
7					6" Brown PEAT/SILT.	OS: 1.5		
7					6" Black PEAT.			
8					8" Gray fine to coarse SAND and GRAVEL.		102EX1SB2A-1C1A(7-9) 0755	
9					11" Gray fine SAND.			
10		84/42	S-3		11" Gray SILT, moist to wet.			
11								
12					13" Light brown/red mottled fine to coarse SAND, little gravel, moist.			
13								
14					18" SAA, wet.			
15								
16								
17					End of boring at 17 feet.			
18								
19								
20								



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT 10-Slot
 BORING/WELL NUMBER MW-43 FILTER PACK TYPE #1 Filter Sand
 TRC GEOLOGIST J. Fiero SEAL TYPE Bentonite
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 9/19/2013 TOTAL DEPTH (Feet) 19
 LOCATION Western limit of 102 Greenwood Street property GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Geoprobe 6600 Truck Mounted Rig
 NOTES Soil sample analyzed for TPH by 8100M

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/24	S-1		6" Brown fine SANDY SILT, some organics.			
2					6" Tan/brown fine to coarse SAND, some silt, some coarse gravel, little concrete fragments and crushed stone.	0.3		
3					12" Black/brown SILT with fine sand, little to some fill (wood, glass, coal, coal ash).			
4						1.2		
5		60/50	S-2		5" SAA.			
6					8" Black/gray SLATE and BLACK TAR, petroleum odor (168 ppm).			
7					6" Black organic SILT and PEAT.	168	MW-43 (6.5-7') 0940	
8					8" Tan/gray brown fine SAND and SILT (outwash deposits).			
9					23" Brown/tan, orange/brown mottled fine to coarse SAND, some silt, some fine to coarse gravel, moist.			
10		60/40	S-3		12" Brown/tan fine to coarse SAND, some silt, some fine to coarse sub-angular gravel, moist to wet.			
11								
12					28" Tan SILT, little to some fine to coarse sand, little fine to coarse sub-angular gravel, wet to saturated.	0.3		
13								
14								
15								
16					SAA			
17								
18								
19					MW-43 set at 19 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT 10-Slot
 BORING/WELL NUMBER MW-44 FILTER PACK TYPE #1 Filter Sand
 TRC GEOLOGIST J. Fiero SEAL TYPE Bentonite
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 9/19/2013 TOTAL DEPTH (Feet) 19
 LOCATION Southern limit of 102 Greenwood Street property GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Geoprobe 6600 Truck Mounted Rig
 NOTES Soil sample analyzed for TPH by 8100M

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/30	S-1		8" Brown SILT and fine SAND, some organics and fill (wood).	0.0		Concrete Roadbox
2					22" Tan/gray/black SILT and SAND with some fill (wood, glass, coal, ash), little subangular-subrounded fine to coarse gravel.			Slough
3								
4						0.3		
5		60/50	S-2		9" SAA.			Bentonite (5-6')
6					2" Black TAR with red brick, slight tar-like odor (8.3 ppm), moist.	0.0		
7					9" Black organic PEAT.			
8					12" Gray fine SAND and SILT, trace to little medium sub-rounded to sub-angular gravel (quartzite fragments), moist.	8.3	MW-44 (7-7.5) 1040	#1 Filter Sand (6-19')
9					18" Tan, orange/brown mottled fine to coarse SAND with silt, some fine to coarse sub-angular to sub-rounded gravel, moist.	0.0		Schedule 40 2" PVC Riser (0-9')
10		60/60	S-3		20" SAA, moist to wet.			
11					20" Tan SILT with fine sand, little fine to coarse subangular gravel, saturated.			
12					20" Tan fine SAND, saturated.	0.0		Schedule 40 2" PVC (10-Slot) Screen (9-19')
13								
14								
15					SAA			
16						0.0		
17								
18								
19					MW-44 set at 19 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT 10-Slot
 BORING/WELL NUMBER MW-45 FILTER PACK TYPE #1 Filter Sand
 TRC GEOLOGIST J. Fiero SEAL TYPE Bentonite
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 9/19/2013 TOTAL DEPTH (Feet) 19
 LOCATION ESE portion of 102 Greenwood Street property GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Geoprobe 6600 Truck Mounted Rig
 NOTES _____

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/33	S-1		6" Brown SILT and fine SAND, some organics.			Concrete Roadbox
2					22" Black/orange/brown SILT, some fine to coarse sand, some fill (glass, coal, ash, clinker, wood), little fine to coarse sub-angular to rounded gravel.	0.9		Slough
3					3" Brown fine SAND and SILT.			
4					1" Yellow/tan to gray/black SILT and ASH with burnt debris (clinker, coal, coal ash, glass).			
5		60/45	S-2		18" SAA.	2.7		Bentonite (5-6')
6					12" Black native PEAT.			#1 Filter Sand (6-19')
7					5" Gray fine SAND and SILT, trace to little medium to coarse sub-angular to sub-rounded gravel (quartzite).			Schedule 40 2" PVC Riser (0-9')
8					5" Tan/orange, brown mottled fine to coarse SAND, little to trace silt and fine to medium sub-angular to sub-rounded gravel.	0.0		
9					18" SAA, moist to wet.	0.0		
10		60/48	S-3		30" Orange/brown/tan SILT with some to little fine to coarse sand and fine to coarse sub-angular to sub-rounded gravel, saturated.	0.0		Schedule 40 2" PVC (10-Slot) Screen (9-19')
11					SAA			
12								
13								
14								
15								
16								
17								
18								
19					MW-45 set at 19 feet.			

APPENDIX B
DATA VALIDATION REPORTS

Memorandum

To: David Sullivan
From: Elizabeth Denly
Date: June 3, 2013
Subject: PCB Aroclor Data Validation Review: New Bedford, MA: Soil Samples Collected April 2013

SUMMARY

Limited validation was performed on the data for 224 soil samples collected in New Bedford, Massachusetts. The soil samples were collected on April 1, 2, 3, 4, and 5 and May 14, 15, and 16, 2013.

Samples were submitted to Con-test Analytical Laboratory (Con-test) in East Longmeadow, Massachusetts for analysis. The samples were analyzed for polychlorinated biphenyls (PCBs) using SW-846 Method 8082A. Con-test reported the results under the job numbers listed in the Samples Section below.

The sample results were assessed using the *EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*, revised December 1996. Modification of these guidelines was performed to accommodate the non-CLP methodology.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

- The positive and nondetect results for select Aroclors in several samples were qualified as estimated (J/UJ) due to calibration nonconformances.
- Positive results for Aroclor 1254 in samples 102EX2SB1 (5-7), DUP-1, 1016ASB1 (3-5), DUP-9, 1014DSB1-B (9-11) and DUP-1 were qualified as estimated (J) due to field duplicate variability.
- Positive and nondetect results for all PCB Aroclors were qualified as estimated (J/UJ) in samples 101EX2SB6 (7-9), 101EX2SB10 (7-9), 1014DSB2 (7-9), 1014DSB1 (9-11), 101EX1SB2 (9-11), 1014DSB1 (prior) (11-13) and 1014DSB1-B (9-11) due to low percent solids.
- Positive results for Aroclor 1260 were qualified as estimated (J) in samples 101EX3SB14 (4), 101EX2SB23 (3-5), 101EX2SB3 (3-5), 101EX2SB2 (3-5), 101EX2SB5 (3-5), 101EX2SB20 (5-7), 1014DSB3-A (3-5), 102EX1SB2-A (3-5) and 102EX2SB3-A (1-3) due to dual column variability.
- Positive results for Aroclor 1248, 1254 or 1260 in samples 101EX2SB1 (3-5), 101EX3SB4 (5-7), DUP-9, 1016ASB2 (3-5), 1016ASB3 (3-5), 102EX1SB2-A (3-5), 101EX3SB2 (3-5), 102EX1SB1-A (5-7), 101EX2SB1-A (3-5), 101EX2SB13-A (5-7), 101EX2SB24-B (5-7), 101EX1SB1-A (3-5) and 101EX1SB1-A (5-7) were qualified as estimated (J) due to the presence of altered PCB patterns.
- Positive Aroclor 1248 and Aroclor 1254 results in select samples were qualified as estimated (J) due to overlapping quantitation peaks; these results may be biased high.
- Positive Aroclor 1254 and Aroclor 1260 results in select samples were qualified as estimated (J) due to overlapping quantitation peaks; these results may be biased high.

SAMPLES

Samples included in this review are listed below:

13Doo43

102EX1SB1 (1-3)	102EX1SB2 (1-3)	102EX1SB3 (1-3)	102EX1SB4 (1-3)
-----------------	-----------------	-----------------	-----------------

13Doo44

102EX2SBI (1-3)	102EX2SB1 (5-7)	DUP-1 ¹	102EX2SB2 (1-3)
102EX2SB2 (5-7)	102EX2SB3 (1-3)	102EX2SB3 (5-7)	102EX2SB4 (1-3)
SB-102-6 (4)			

¹Field duplicate of 102EX2SB1 (5-7)

13Doo45

102EX2SB4 (5-7)	102EX2SB5 (7-9)	102EX2SB6 (1-3)	102EX2SB6 (5-7)
102EX2SB7 (1-3)	102EX2SB7 (5-7)	102EX2SB8 (1-3)	102EX2SB8 (5-7)

13Doo46

102EX2SB9 (7-9)	102EX2SB10 (1-3)	102EX2SB10 (5-7)	102EX2SB11(1-3)
102EX2SB11 (5-7)	DUP-4 ²	102EX2SB12 (1-3)	102EX2SB12 (5-7)
102EX2SB13 (1-3)	102EX2SB13 (5-7)		

²Field duplicate of 102EX2SB11 (5-7)

13Do101

102EX2SB14 (1-3)	102EX2SB14 (5-7)	101EX1SB1 (3-4.5)	101EX1SB1 (4.5-6)
101EX1SB2 (3-4.5)	101EX1SB2 (4.5-6)	101EX1SB3 (3-5)	101EX1SB3 (5-7)
101EX1SB4 (3-5)	101EX1SB4 (5-7)	101EX1SB5 (3-5)	101EX1SB5 (5-7)
DUP-5 ³	101EX1SB6 (3-5)	101EX1SB6 (5-7)	101EX2SB1 (3-5)
101EX2SB1 (5-7)			

³Field duplicate of 101EX1SB5 (3-5)

13Do102

101EX2SB2 (3-5)	101EX2SB2 (5-7)	101EX2SB3 (3-5)	101EX2SB3 (5-7)
101EX2SB4 (3-5)	101EX2SB4 (5-7)	101EX2SB5 (3-5)	101EX2SB5 (5-7)
101EX2SB6 (7-9)	101EX2SB7 (7-9)	101EX2SB8 (3-5)	101EX2SB8 (5-7)

13Do169

101EX2SB9 (3-5)	101EX2SB9 (5-7)	101EX2SB10 (7-9)	DUP-6 ⁴
101EX2SB11 (3-5)	101EX2SB11 (5-7)	101EX2SB12 (3-5)	101EX2SB12 (5-7)
101EX2SB13 (3-5)	101EX2SB13 (5-7)	101EX2SB14 (3-5)	101EX2SB14 (5-7)
101EX2SB15 (7-9)	101EX2SB16 (3-5)	101EX2SB16 (5-7)	101EX2SB17 (3-5)
101EX2SB17 (5-7)	101EX2SB18 (7-9)	101EX2SB19 (7-9)	101EX2SB20 (3-5)
101EX2SB20 (5-7)	101EX2SB21 (3-4.5)	101EX2SB22 (3-5)	101EX2SB22 (5-7)

⁴Field duplicate of 101EX2SB11 (3-5)

13D0233

101EX2SB23 (3-5)	101EX2SB23 (5-7)	DUP-7 ⁵	101EX2SB24 (3-5)
101EX2SB24 (5-7)	101EX3SB2 (1-3)	101EX3SB2 (3-5)	101EX3SB2 (5-7)
101EX3SB3 (1-3)	101EX3SB3 (3-5)	101EX3SB3 (5-7)	101EX3SB4 (1-3)
101EX3SB4 (3-5)	101EX3SB4 (5-7)	101EX3SB5 (7-9)	101EX3SB6 (1-3)
101EX3SB6 (3-5)	101EX3SB6 (5-7)	101EX3SB7 (1-3)	101EX3SB7 (3-5)
101EX3SB7 (5-7)	101EX3SB8 (7-9)		

⁵Field duplicate of 101EX2SB23 (3-5)

13D0235

101EX3SB9 (1-3)	101EX3SB9 (3-5)	101EX3SB9 (5-7)	DUP-8 ⁶
101EX3SB10 (1-3)	101EX3SB10 (3-5)	101EX3SB10 (5-7)	101EX3SB11 (1-3)
101EX3SB11 (3-5)	101EX3SB11 (5-7)	101EX3SB1 (1-2)	101EX3SB1 (3-4)
101EX3SB12 (1-3)	101EX3SB12 (3-5)	101EX3SB12 (5-7)	101EX3SB13 (1-3)
101EX3SB13 (3-5)	101EX3SB13 (5-7)		

⁶Field duplicate of 101EX3SB9 (3-5)

13D0284

101EX3SB14 (1-3)	101EX3SB14 (4)	101EX3SB14 (3-5)	101EX3SB14 (5-7)
1016ASB1 (3-5)	1016ASB1 (5-7)	1016ASB1 (7-9)	DUP-9 ⁷
1016ASB2 (3-5)	1016ASB2 (5-7)	1016ASB2 (7-9)	1016ASB3 (3-5)
1016ASB3 (5-7)	1016ASB3 (7-9)	1014DSB1 (3-5)	1014DSB1 (5-7)
1014DSB1 (7-9)	1014DSB2 (3-5)	1014DSB2 (5-7)	1014DSB2 (7-9)
1014DSB3 (3-5)	1014DSB3 (5-7)	1014DSB3 (7-9)	

⁷Field duplicate of 1016ASB1 (3-5)

13D0378

102EX2SB3 (7-9)

13D0379

102EX2SB4 (7-9) 102EX2SB6 (7-9) 102EX2SB8 (7-9)

13D0381

102EX2SB13 (7-9)

13D0383

101EX1SB1 (6-8) 101EX1SB1 (8-10)

13D0386

101EX2SB5 (7-9)

13D0439

101EX2SB13 (7-9) 101EX2SB22 (7-9)

13D0442

102EX1SB3 (3-5) 102EX1SB3 (5-7) 102EX1SB3 (7-9)

13D0556

1014DSB1 (9-11)

13D0558

101EX2SB24 (7-9) 101EX2SB24 (9-11)

13D0684

101EX1SB2 (6-8) 101EX1SB2 (8-9) 101EX1SB2 (9-11)

13D0742

102EX1SB1 (3-5) 102EX1SB1 (5-7) 102EX1SB1 (7-9) 102EX1SB2 (3-5)
102EX1SB2 (5-7) 102EX1SB2 (7-9) 102EX1SB4 (3-5) 102EX1SB4 (5-7)

13D0888

1016ASB1 (1-3) 1016ASB2 (1-3) 1016ASB2 (1-3)-DUP⁸ 1016ASB3 (1-3)

⁸Field duplicate of 1016ASB2 (1-3)

13E0480

102EX1SB1-B (5-7) 102EX1SB2-A (3-5) 102EX1SB2-A (5-7) 102EX1SB2-B (3-5)
102EX1SB2-B (5-7) 102EX1SB1-A (5-7) 102EX2SB3-A (1-3) 102EX2SB3-A (5-7)
102EX1SB3-B (1-3) 102EX1SB3-B (5-7) 102EX1SB4-B (3-5) 102EX1SB4-A (3-5)
102EX2SB4-A (1-3) 102EX2SB4-A (5-7) 102EX2SB8-A (5-7) 102EX2SB13-A (5-7)

13E0539

1014DSB1-B (3-5) 1014DSB1-B (5-7) 1014DSB1-B (7-9) 1014DSB1-B (9-11)
DUP-1⁹ 1014DSB1-A (3-5) 1014DSB1-A (5-7) 1014DSB1-A (7-9)
1014DSB1-A (9-11) 1014DSB3-B (3-5) 1014DSB3-B (5-7) 1014DSB3-A (3-5)
1014DSB3-A (5-7) 1014DSB3-A (7-9) 1014DSB3-A (9-12) 101EX2SB1-A (3-5)
101EX2SB5-A (5-7) 101EX2SB9-A (5-7) 101EX2SB13-A (5-7) 1016ASB1-B (1-3)
1016ASB1-A (1-3) 101EX2SB24-B (5-7) 101EX2SB24-A (5-7) 101EX1SB3-B (3-5)
101EX1SB3-A (3-5) 101EX1SB1-A (3-5) 101EX1SB1-A (5-7) 101EX1SB1-A (7-9)
DUP-2¹⁰

⁹Field duplicate of 1014DSB1-B (9-11)

¹⁰Field duplicate of 101EX1SB1-A (5-7)

13E0591

1014DSB1 (prior) (11-13)

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with TRC requests
- Holding times and sample preservation
- Initial and continuing calibrations
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Field duplicate results
- Quantitation limits and sample results
- Target compound identification

DISCUSSION

Agreement of Analyses Conducted with TRC Requests

All sample reports were checked to verify that the results corresponded to analytical requests as designated on the chain-of-custody and any correspondence between TRC and the laboratory. All criteria were met.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met for the soil samples.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) of all PCB Aroclors were within the acceptance criteria in all initial calibrations.

The percent differences (%Ds) of select peaks in PCB Aroclors were outside of the acceptance criteria in several continuing calibrations. In most cases, the average %D for the five peaks was within the acceptance criteria; qualification of the data was therefore not required on the basis of these %Ds. However, the following exceptions were noted: The positive and nondetect results for Aroclors 1248, 1254, 1260, 1262 and 1268 in samples 102EX2SB5 (7-9), 102EX1SB1-B (5-7), 102EX1SB2-B (3-5), 102EX2SB3-A (5-7), 102EX1SB3-B (1-3), 102EX1SB4-B (3-5), 102EX1SB4-A (3-5), 102EX2SB4-A (1-3), 102EX2SB4-A (5-7), 102EX2SB8-A (5-7) , 1014DSB1-B (3-5), 1014DSB1-B (7-9), DUP-1, 1014DSB1-A (3-5), 1014DSB1-A (5-7), 1014DSB1-A (7-9), and 1014DSB1-A (9-11) and the positive and nondetect results for all Aroclors in samples 102EX1SB2-A (3-5), 102EX1SB2-B (5-7), 102EX1SB1-A (5-7), 102EX2SB3-A (1-3), 102EX1SB3-B (5-7), 1014DSB3-B (3-5), 1014DSB3-A (3-5), 1014DSB3-A (9-12), and 101EX2SB13-A (5-7) were qualified as estimated (J/UJ) due to the %D nonconformances.

The following table summarizes the standards, Aroclors and samples affected.

Standard	Aroclor/peak (%D)	Affected Samples
Do403046.D	1260-peak 2/column 2 (20.8) 1260-peak 3/column 2 (21.8) 1260-peak 4/column 2 (26.9) 1260-peak 5/column 2 (21.6)	102EX2SB5 (7-9)
Eo405005.D	1254-peak 4/column 1 (20.3)	102EX2SB14 (5-7), 101EX1SB2 (3-4.5), 101EX1SB2 (4.5-6), 101EX1SB3 (3-5), 101EX1SB3 (5-7), 101EX1SB5 (3-5), 101EX1SB5 (5-7), DUP-5, 101EX1SB6 (3-5)
Eo405023.D	1016-peak 1/column 1 (23.7) 1260-peak 4/column 2 (22.5) 1260-peak 5/column 2 (25.0)	101EX1SB1 (4.5-6), 101EX1SB2 (3-4.5), 101EX1SB2 (4.5-6), 101EX1SB3 (3-5), 101EX1SB3 (5-7), 101EX1SB5 (3-5), 101EX1SB5 (5-7), DUP-5, 101EX1SB6 (3-5), 101EX1SB6 (5-7), 101EX2SB1 (3-5), 101EX2SB1 (5-7)
Io405048.D	1016-peak 1/column 1 (22.8)	101EX2SB7 (7-9), 101EX2SB8 (3-5), 101EX2SB18 (7-9), 101EX2SB20 (3-5), 101EX2SB21 (3-4.5)
Eo408046.D	1016-peak 1/column 1 (20.9)	101EX3SB4 (1-3), 101EX3SB4 (3-5), 101EX3SB4 (5-7), 101EX3SB7 (3-5)
Eo408070.D	1016-peak 1/column 1 (20.9)	101EX2SB23 (3-5), 101EX2SB23 (5-7), DUP-7, 101EX2SB24 (3-5), 101EX3SB2 (1-3), 101EX3SB2 (5-7), 101EX3SB3 (1-3), 101EX3SB3 (3-5), 101EX3SB3 (5-7), 101EX3SB6 (1-3), 101EX3SB6 (3-5), 101EX3SB7 (1-3)
Do412071.D	1260-peak 4/column 1 (23.7)	102EX2SB4 (7-9), 102EX2SB6 (7-9), 102EX2SB8 (7-9), 101EX2SB5 (7-9), 101EX2SB22 (7-9)
Do412108.D	1016-peak 2/column 1 (39.5)	102EX2SB13 (7-9), 101EX2SB13 (7-9), 102EX1SB3 (3-5), 102EX1SB3 (5-7), 102EX1SB3 (7-9), 101EX1SB1 (6-8)
Do412123.D	1016-peak 2/column 1 (44.2) 1260-peak 2/column 1 (26.5) 1260-peak 4/column 1 (24.3)	
Eo520172.D	1016-peak 5/column 1 (20.8)	102EX2SB13-A (5-7)
Co521053.D	1016-peak 2/column 2 (20.4) 1260-peak 1/column 2 (20.5) 1260-peak 2/column 2 (21.0) 1260-peak 4/column 2 (21.9)	102EX1SB2-A (3-5), 102EX1SB2-B (5-7), 102EX1SB1-A (5-7), 102EX2SB3-A (1-3), 102EX1SB3-B (5-7)

Standard	Aroclor/peak (%D)	Affected Samples
C0521065.D	1260-peak 5/column 2 (24.1)	
	1016-peak 1/column 2 (30.2)	
	1016-peak 2/column 2 (33.1)	
	1016-peak 3/column 2 (26.7)	
	1016-peak 4/column 2 (26.1)	
	1016-peak 5/column 2 (26.1)	
	1260-peak 1/column 2 (33.0)	
	1260-peak 2/column 2 (28.8)	
	1260-peak 3/column 2 (26.5)	
	1260-peak 4/column 2 (32.2)	
C0522049.D	1260-peak 5/column 2 (25.0)	102EX1SB1-B (5-7), 102EX1SB2-B (3-5), 102EX1SB2-B (5-7), 102EX2SB3-A (5-7), 102EX1SB3-B (1-3), 102EX1SB4-B (3-5), 102EX1SB4-A (3-5), 102EX2SB4-A (1-3), 102EX2SB4-A (5-7), 102EX2SB8-A (5-7), 1014DSB1-B (3-5), 1014DSB1-B (7-9), DUP-1, 1014DSB1-A (3-5), 1014DSB1-A (5-7), 1014DSB1-A (7-9), 1014DSB1-A (9-11)
	1016-peak 1/column 2 (20.9)	
	1016-peak 2/column 2 (22.7)	
	1260-peak 2/column 2 (22.5)	
	1260-peak 3/column 2 (24.0)	
C0522078.D	1260-peak 4/column 2 (24.8)	1014DSB3-B (3-5), 1014DSB3-A (3-5), 1014DSB3-A (9-12), 101EX2SB13-A (5-7)
	1016-peak 1/column 2 (23.8)	
	1016-peak 2/column 2 (27.4)	
	1016-peak 3/column 2 (21.5)	
	1016-peak 5/column 2 (24.0)	
	1260-peak 1/column 2 (24.6)	
	1260-peak 2/column 2 (26.2)	
	1260-peak 3/column 2 (23.9)	
I0522128.D	1260-peak 4/column 2 (26.2)	1014DSB3-A (5-7), 1016ASB1-A (1-3), 101EX2SB24-A (5-7), 101EX1SB3-A (3-5), 101EX1SB1-A (5-7), DUP-2, 1014DSB1 (prior) (11-13)
	1016-peak 1/column 1 (21.5)	
	1016-peak 5/column 1 (23.8)	

Method Blanks

Target compounds were not detected in the laboratory method blanks associated with the PCB Aroclor analyses.

Surrogate Spike Recoveries

The following table summarizes the surrogate recoveries which were outside of the acceptance criteria.

Sample ID	TCMX Column 1	TCMX Column 2	DCB Column 1	DCB Column 2
101EX1SB4 (5-7) – 20X	-	-	-	177
101EX3SB2 (3-5) – 40X	-	-	2080	2040
101EX3SB2 (3-5) – 20X (re-extraction)	-	-	266	2730
101EX3SB7 (5-7) – 20X	-	-	573	584
101EX3SB7 (5-7) – 40X (re-extraction)	-	-	313	334
101EX3SB1 (3-4) – 20X	-	-	268	281
101EX3SB1 (3-4) – 20X (re-extraction)	-	-	214	220
101EX3SB14 (4) – 20X	-	-	303	-
101EX3SB14 (3-5) – 20X	-	-	512	-
1016ASB1 (7-9) – 20X	-	-	614	542
1016ASB1 (7-9) – 20X (re-extraction)	-	-	1440	1460
1016ASB3 (7-9) – 20X	-	-	166	-
1014DSB1-A (7-9) – 20X	-	-	-	158
DCB – decachlorobiphenyl TCMX – tetrachloro-m-xylene - met criteria				

Qualification of results on the basis of surrogate nonconformances is not required in samples with dilution factors ≥ 10 . In addition, Aroclor 1268 was detected in many of the above-listed samples. Aroclor 1268 contains decachlorobiphenyl, contributing to the higher surrogate recoveries.

LCS Results

An LCS and LCS Duplicate were extracted and analyzed with each extraction batch. All recovery and relative percent difference (RPD) criteria were met.

MS/MSD Results

MS/MSD analyses were performed on the following samples: 102EX2SB3 (1-3), 102EX2SB12 (1-3), 101EX2SB3 (5-7), 1014DSB3 (3-5), 101EX1SB2 (6-8), 1016ASB2 (1-3), DUP-5, DUP-6, DUP-7, DUP-8, DUP-9, DUP-1 (13E0539), DUP-2, and 102EX1SB4-B (3-5). With the exception of sample 102EX2SB12 (1-3), recoveries in the MS/MSD analyses were not calculable (NC) due to elevated concentrations of Aroclor 1254 which interfered with the quantitation of the spiked Aroclors. The following table summarizes the percent recoveries (%Rs) of spiked Aroclors that were outside the acceptance criteria (40-140%) in the MS/MSD analyses performed on sample 102EX2SB12 (1-3); qualification of the data on the basis of these nonconformances was not required.

Spiked Aroclor	MS %R Column 1	MS %R Column 2	MSD %R Column 1	MSD %R Column 2
Aroclor 1016	171	153	148	-
Aroclor 1260	186	158	196	158
- met criteria				

Field Duplicate Results

Samples 1016ASB2 (1-3)/1016ASB2 (1-3) DUP, 102EX2SB1 (5-7)/DUP-1, 102EX2SB11 (5-7)/DUP-4, 101EX1SB5 (3-5)/DUP-5, 101EX2SB11 (3-5)/DUP-6, 101EX2SB23 (3-5)/DUP-7, 101EX3SB9 (3-5)/DUP-8, 1016ASB1 (3-5)/DUP-9, 1014DSB1-B (9-11)/DUP-1, and 101EX1SB1-A (5-7)/DUP-2 were submitted as the field duplicate pairs with this sample set. The following tables summarize the RPDs of the detected Aroclors in the field duplicate pairs. Several RPDs were NC due to a nondetect result in one of the two samples. The RPDs for Aroclor 1254 in field duplicate pairs 102EX2SB1 (5-7)/DUP-1, 1016ASB1 (3-5)/DUP-9 and 1014DSB1-B (9-11)/DUP-1 were outside of the acceptance criteria. The positive results for Aroclor 1254 in these samples were qualified as estimated (J).

Aroclor	1016ASB2 (1-3) (mg/kg)	1016ASB2 (1-3) DUP (mg/kg)	RPD (%)
Aroclor 1254	25	20	22.2

Aroclor	102EX2SB1 (5-7) (mg/kg)	DUP-1 (mg/kg)	RPD (%)
Aroclor 1254	15	36	82.4

Aroclor	102EX2SB11 (5-7) (mg/kg)	DUP-4 (mg/kg)	RPD (%)
Aroclor 1254	0.18	0.15	18.2

Aroclor	101EX1SB5 (3-5) (mg/kg)	DUP-5 (mg/kg)	RPD (%)
Aroclor 1254	8.9	9.0	1.1

Aroclor	101EX2SB11 (3-5) (mg/kg)	DUP-6 (mg/kg)	RPD (%)
Aroclor 1254	24	29	18.9

Aroclor	101EX2SB23 (3-5) (mg/kg)	DUP-7 (mg/kg)	RPD (%)
Aroclor 1254	34	37	8.4
Aroclor 1260	5.4	4.9 U	NC

Aroclor	101EX3SB9 (3-5) (mg/kg)	DUP-8 (mg/kg)	RPD (%)
Aroclor 1254	6.4	7.0	8.9
Aroclor 1260	1.5	1.4	6.9

Aroclor	1016ASB1 (3-5) (mg/kg)	DUP-9 (mg/kg)	RPD (%)
Aroclor 1248	1.1 U	1.1	NC
Aroclor 1254	13	4.6	95.4
Aroclor 1260	1.1 U	1.3	NC

Aroclor	1014DSB1-B (9-11) (mg/kg)	DUP-1 (mg/kg)	RPD (%)
Aroclor 1254	0.43	1.6	115

Aroclor	101EX1SB1-A (5-7) (mg/kg)	DUP-2 (mg/kg)	RPD (%)
Aroclor 1254	14	9.0	43.5

Quantitation Limits and Sample Results

All samples were analyzed at a minimum 5-fold dilution as part of the laboratory's normal analytical procedure. However, several samples were analyzed at higher dilutions to the concentrations of PCB Aroclors which would have exceeded the calibration range if not diluted. Quantitation limits were elevated accordingly in each sample.

Samples 101EX2SB6 (7-9) (21.3), 101EX2SB10 (7-9) (22.4), 1014DSB2 (7-9) (27.2), 1014DSB1 (9-11) (23.5), 101EX1SB2 (9-11) (23.8), 1014DSB1 (prior) (11-13) (20.1) and 1014DSB1-B (9-11) (27.6) contained low percent solids. The positive and nondetect results for all PCB Aroclors in these samples were qualified as estimated (J/UJ).

Several samples were re-extracted and reanalyzed due to surrogate nonconformances. In all cases, the analyses yielded similar surrogate nonconformances. The analyses that yielded the higher results were reported as final. The following bullets summarize the affected samples:

- 101EX3SB2 (3-5): results of original extraction reported.
- 101EX3SB7 (5-7): results of re-extraction reported.
- 101EX3SB1 (3-4): results of original extraction reported.
- 1016ASB1 (7-9): results of re-extraction reported.

Aroclors 1248 and 1254 have overlapping quantitation peaks; thus, the potential for double counting of these peaks exists when multiple Aroclors are present in the sample. The same issue exists when Aroclors 1254 and 1260 are both present in a sample. All samples with multiple Aroclors detected were qualified as estimated (J) as a result of this potential high bias due to double counting of the peaks.

Target Compound Identification

All dual column relative percent differences (RPDs) for detected Aroclors were within the acceptance criteria with the following exceptions:

- 101EX3SB14 (4): Aroclor 1254 (46.3)
- 101EX2SB23 (3-5): Aroclor 1260 (47.6)
- 101EX2SB3 (3-5): Aroclor 1260 (76.3)
- 101EX2SB2 (3-5): Aroclor 1260 (85.6)
- 101EX2SB5 (3-5): Aroclor 1260 (90.3)
- 101EX2SB20 (5-7): Aroclor 1260 (67)
- 1014DSB3-A (3-5): Aroclor 1260 (42.1)
- 102EX1SB2-A (3-5): Aroclor 1260 (143)

Memorandum

June 3, 2013

Page 11 of 11

- 102EX2SB3-A (1-3): Aroclor 1260 (126)

The positive results for the Aroclors listed above were qualified as estimated (J) in the affected samples due to the dual column RPD exceedances.

The laboratory stated that the Aroclor identifications in samples 101EX2SB1 (3-5): 1254, 101EX3SB4 (5-7): 1248, DUP-9: 1248, 1016ASB2 (3-5): 1248, 1016ASB3 (3-5): 1248 and 102EX1SB2-A (3-5): 1260 did not match the standard exactly but were quantitated using the closest matching standard. The positive results for the listed Aroclors in these samples were qualified as estimated (J).

The laboratory stated that samples 101EX3SB2 (3-5): 1254, 102EX1SB1-A (5-7): 1254, 101EX2SB1-A (3-5): 1254, 101EX2SB13-A (5-7): 1254, 101EX2SB24-B (5-7): 1254, 101EX1SB1-A (3-5): 1260 and 101EX1SB1-A (5-7): 1254 contained two incompletely resolved Aroclors but were quantitated using the closest matching standard. The positive results for the listed Aroclors in these samples were qualified as estimated (J).

Qualified Form Is

Project Location: New Bedford, MA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Date Received: 4/1/2013

Sample Description:

Work Order: 13D0043

Field Sample #: 102EX1SB1 (1-3)

Sampled: 4/1/2013 08.30

Sample ID: 13D0043-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1221 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1232 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1242 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1248 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1254 [2]	2.9	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1260 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1262 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Aroclor-1268 [1]	ND	0.61	mg/Kg dry	25		SW-846 8082A	4/2/13	4/4/13 9:27	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	115	30-150							
Decachlorobiphenyl [2]	125	30-150					4/4/13	9:27	
Tetrachloro-m-xylene [1]	110	30-150					4/4/13	9:27	
Tetrachloro-m-xylene [2]	111	30-150					4/4/13	9:27	

Project Location: New Bedford, MA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Date Received: 4/1/2013

Sample Description

Work Order: 13D0043

Field Sample #: 102EX1SB2 (1-3)

Sampled: 4/1/2013 08:55

Sample ID: 13D0043-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1254 [1]	0.43	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 15:12	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	98.3	30-150							
Decachlorobiphenyl [2]	106	30-150						4/3/13 15:12	
Tetrachloro-m-xylene [1]	107	30-150						4/3/13 15:12	
Tetrachloro-m-xylene [2]	108	30-150						4/3/13 15:12	

Project Location: New Bedford, MA
 Date Received: 4/1/2013

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332
 Sample Description:

Work Order: 13D0043

Field Sample #: 102EX1SB3 (1-3)

Sampled: 4/1/2013 09:20

Sample ID: 13D0043-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1221 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1232 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1242 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1248 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1254 [2]	1.9	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1260 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1262 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Aroclor-1268 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:40	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	103	30-150							
Decachlorobiphenyl [2]	112	30-150						4/4/13 9:40	
Tetrachloro-m-xylene [1]	101	30-150						4/4/13 9:40	
Tetrachloro-m-xylene [2]	106	30-150						4/4/13 9:40	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0043

Date Received: 4/1/2013

Field Sample #: 102EX1SB4 (1-3)

Sampled: 4/1/2013 09:45

Sample ID: 13D0043-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1254 [2]	3.0	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 9:53	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	95.5		30-150			4/4/13 9:53			
Decachlorobiphenyl [2]	97.8		30-150			4/4/13 9:53			
Tetrachloro-m-xylene [1]	101		30-150			4/4/13 9:53			
Tetrachloro-m-xylene [2]	105		30-150			4/4/13 9:53			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: SB-102-6 (4)

Sampled: 4/1/2013 10:10

Sample ID: 13D0044-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1254 [2]	21	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:06	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/4/13 10:06			
Decachlorobiphenyl [2]	*		30-150		S-01	4/4/13 10:06			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/4/13 10:06			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/4/13 10:06			

Project Location: New Bedford, MA
 Date Received: 4/1/2013
 Field Sample #: 102EX2SB1 (1-3)
 Sample ID: 13D0044-05
 Sample Matrix: Soil

Sample Description:
 Sampled: 4/1/2013 10:30

Work Order: 13D0044

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1254 [1]	0.53	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 16:04	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	92.1	30-150						4/3/13 16:04	
Decachlorobiphenyl [2]	96.3	30-150						4/3/13 16:04	
Tetrachloro-m-xylene [1]	100	30-150						4/3/13 16:04	
Tetrachloro-m-xylene [2]	102	30-150						4/3/13 16:04	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: 102EX2SB1 (5-7)

Sampled: 4/1/2013 10:40

Sample ID: 13D0044-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1254 [2]	15 J	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 10:19	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/4/13 10:19	
Decachlorobiphenyl [2]		*	30-150		S-01			4/4/13 10:19	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/4/13 10:19	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/4/13 10:19	

Project Location: New Bedford, MA

Sample Description

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: DUP-1

Sampled 4/1/2013 00:00

Sample ID: 13D0044-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1221 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1232 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1242 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1248 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1254 [2]	36 J	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1260 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1262 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Aroclor-1268 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 10:32	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 10:32	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 10:32	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 10:32	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 10:32	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: 102EX2SB2 (1-3)

Sampled: 4/1/2013 10:50

Sample ID: 13D0044-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1254 [2]	2.8	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1260 [2]	0.50	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:45	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	105		30-150					4/4/13 10:45	
Decachlorobiphenyl [2]	112		30-150					4/4/13 10:45	
Tetrachloro-m-xylene [1]	107		30-150					4/4/13 10:45	
Tetrachloro-m-xylene [2]	112		30-150					4/4/13 10:45	

Project Location: New Bedford, MA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Date Received: 4/1/2013

Sample Description:

Work Order: 13D0044

Field Sample #: 102EX2SB2 (5-7)

Sampled: 4/1/2013 11:00

Sample ID: 13D0044-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1221 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1232 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1242 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1248 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1254 [2]	5.3	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1260 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1262 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Aroclor-1268 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:58	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	105	30-150							
Decachlorobiphenyl [2]	111	30-150					4/4/13 10:58		
Tetrachloro-m-xylene [1]	108	30-150					4/4/13 10:58		
Tetrachloro-m-xylene [2]	114	30-150					4/4/13 10:58		

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: 102EX2SB3 (1-3)

Sampled: 4/1/2013 11:10

Sample ID: 13D0044-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1221 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1232 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1242 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1248 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1254 [2]	110	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1260 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1262 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Aroclor-1268 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 11:11	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 11:11	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 11:11	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 11:11	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 11:11	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: 102EX2SB3 (5-7)

Sampled: 4/1/2013 11:20

Sample ID: 13D0044-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1221 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1232 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1242 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1248 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1254 [2]	710	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1260 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1262 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Aroclor-1268 [1]	ND	180	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 15:42	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 15:42	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 15:42	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 15:42	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 15:42	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0044

Date Received: 4/1/2013

Field Sample #: 102EX2SB4 (1-3)

Sampled: 4/1/2013 11:30

Sample ID: 13D0044-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1221 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1232 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1242 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1248 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1254 [2]	110	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1260 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1262 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Aroclor-1268 [1]	ND	12	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:02	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 12:02	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 12:02	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 12:02	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 12:02	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0045

Date Received: 4/1/2013

Field Sample #: 102EX2SB4 (5-7)

Sampled: 4/1/2013 11.40

Sample ID: 13D0045-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1221 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1232 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1242 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1248 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1254 [2]	110	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1260 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1262 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Aroclor-1268 [1]	ND	14	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 12:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/4/13 12:28	
Decachlorobiphenyl [2]		*	30-150		S-01			4/4/13 12:28	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/4/13 12:28	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/4/13 12:28	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0045

Date Received: 4/1/2013

Field Sample #: 102EX2SB5 (7-9)

Sampled: 4/1/2013 11:50

Sample ID: 13D0045-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5	V-24	SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:39	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		85.3	30-150					4/3/13 18:39	
Decachlorobiphenyl [2]		85.6	30-150					4/3/13 18:39	
Tetrachloro-m-xylene [1]		97.2	30-150					4/3/13 18:39	
Tetrachloro-m-xylene [2]		95.2	30-150					4/3/13 18:39	

Handwritten blue annotations: a checkmark and a downward arrow pointing to the 'ND' results for Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0045

Date Received: 4/1/2013

Field Sample #: 102EX2SB6 (5-7)

Sampled: 4/1/2013 12:10

Sample ID: 13D0045-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1221 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1232 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1242 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1248 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1254 [2]	800	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1260 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1262 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Aroclor-1268 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	4/2/13	4/4/13 16:20	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01		4/4/13 16:20		
Decachlorobiphenyl [2]	*		30-150		S-01		4/4/13 16:20		
Tetrachloro-m-xylene [1]	*		30-150		S-01		4/4/13 16:20		
Tetrachloro-m-xylene [2]	*		30-150		S-01		4/4/13 16:20		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0045

Date Received: 4/1/2013

Field Sample #: 102EX2SB7 (1-3)

Sampled: 4/1/2013 12:20

Sample ID: 13D0045-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1254 [2]	35	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1260 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/2/13	4/4/13 16:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/4/13 16:33	
Decachlorobiphenyl [2]		*	30-150		S-01			4/4/13 16:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/4/13 16:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/4/13 16:33	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0045

Date Received: 4/1/2013

Field Sample #: 102EX2SB7 (5-7)

Sampled: 4/1/2013 12.30

Sample ID: 13D0045-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1254 [2]	0.84	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/4/13 13:18	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	101		30-150					4/4/13 13:18	
Decachlorobiphenyl [2]	107		30-150					4/4/13 13:18	
Tetrachloro-m-xylene [1]	100		30-150					4/4/13 13:18	
Tetrachloro-m-xylene [2]	105		30-150					4/4/13 13:18	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0045

Date Received: 4/1/2013

Field Sample #: 102EX2SB8 (1-3)

Sampled: 4/1/2013 13:20

Sample ID: 13D0045-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1254 [1]	9.0	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1260 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	4/2/13	4/4/13 8:33	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/4/13 8:33	
Decachlorobiphenyl [2]		*	30-150		S-01			4/4/13 8:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/4/13 8:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/4/13 8:33	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
 Date Received: 4/1/2013
 Field Sample #: 102EX2SB8 (5-7)
 Sample ID: 13D0045-17

Sample Description:

Sampled: 4/1/2013 13.30

Work Order: 13D0045

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1221 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1232 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1242 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1248 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1254 [1]	250	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1260 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1262 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Aroclor-1268 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/2/13	4/4/13 9:59	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 9:59	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 9:59	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 9:59	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 9:59	

Project Location: New Bedford, MA

Date Received: 4/1/2013

Field Sample #: 102EX2SB9 (7-9)

Sample ID: 13D0046-01

Sample Matrix: Soil

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Description:

Sampled: 4/1/2013 13:40

Work Order: 13D0046

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1254 [1]	3.0	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	4/2/13	4/4/13 10:11	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	95.0	30-150							
Decachlorobiphenyl [2]	91.9	30-150						4/4/13 10:11	
Tetrachloro-m-xylene [1]	101	30-150						4/4/13 10:11	
Tetrachloro-m-xylene [2]	90.3	30-150						4/4/13 10:11	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0046

Date Received: 4/1/2013

Field Sample #: 102EX2SB10 (1-3)

Sampled: 4/1/2013 14:00

Sample ID: 13D0046-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1221 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1232 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1242 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1248 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1254 [1]	0.66	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1260 [2]	0.28	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1262 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC
Aroclor-1268 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	4/2/13	4/4/13 9:10	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	95.4	30-150	
Decachlorobiphenyl [2]	99.7	30-150	
Tetrachloro-m-xylene [1]	110	30-150	
Tetrachloro-m-xylene [2]	92.9	30-150	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0046

Date Received: 4/1/2013

Field Sample #: 102EX2SB10 (5-7)

Sampled: 4/1/2013 14:10

Sample ID: 13D0046-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 17:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		90.8	30-150					4/3/13 17:49	
Decachlorobiphenyl [2]		94.1	30-150					4/3/13 17:49	
Tetrachloro-m-xylene [1]		109	30-150					4/3/13 17:49	
Tetrachloro-m-xylene [2]		94.2	30-150					4/3/13 17:49	

Project Location: New Bedford, MA

Date Received: 4/1/2013

Field Sample #: 102EX2SB11 (1-3)

Sample ID: 13D0046-07

Sample Matrix: Soil

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Description:

Sampled: 4/1/2013 14:20

Work Order: 13D0046

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1254 [1]	0.97	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1260 [2]	0.34	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:01	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	99.9	30-150						4/3/13 18:01	
Decachlorobiphenyl [2]	104	30-150						4/3/13 18:01	
Tetrachloro-m-xylene [1]	106	30-150						4/3/13 18:01	
Tetrachloro-m-xylene [2]	92.6	30-150						4/3/13 18:01	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0046

Date Received: 4/1/2013

Field Sample #: 102EX2SB11 (5-7)

Sampled: 4/1/2013 14:30

Sample ID: 13D0046-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1254 [2]	0.18	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:38	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	90.2		30-150						
Decachlorobiphenyl [2]	91.5		30-150			4/3/13 18:38			
Tetrachloro-m-xylene [1]	106		30-150			4/3/13 18:38			
Tetrachloro-m-xylene [2]	91.7		30-150			4/3/13 18:38			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0046

Date Received: 4/1/2013

Field Sample #: DUP-4

Sampled: 4/1/2013 00:00

Sample ID: 13D0046-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1254 [2]	0.15	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 18:50	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	77.8		30-150			4/3/13 18:50			
Decachlorobiphenyl [2]	79.5		30-150			4/3/13 18:50			
Tetrachloro-m-xylene [1]	85.5		30-150			4/3/13 18:50			
Tetrachloro-m-xylene [2]	74.2		30-150			4/3/13 18:50			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0046

Date Received: 4/1/2013

Field Sample #: 102EX2SB12 (1-3)

Sampled: 4/1/2013 15:00

Sample ID: 13D0046-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1254 [2]	0.21	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/2/13	4/3/13 19:02	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		90.2	30-150					4/3/13 19:02	
Decachlorobiphenyl [2]		92.7	30-150					4/3/13 19:02	
Tetrachloro-m-xylene [1]		106	30-150					4/3/13 19:02	
Tetrachloro-m-xylene [2]		92.0	30-150					4/3/13 19:02	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0046

Date Received: 4/1/2013

Field Sample #: 102EX2SB12 (5-7)

Sampled: 4/1/2013 15:10

Sample ID: 13D0046-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1254 [1]	19	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:22	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/4/13 9:22	
Decachlorobiphenyl [2]		*	30-150		S-01			4/4/13 9:22	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/4/13 9:22	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/4/13 9:22	

Project Location: New Bedford, MA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Date Received: 4/1/2013

Sample Description:

Work Order: 13D0046

Field Sample #: 102EX2SB13 (1-3)

Sampled: 4/1/2013 15:30

Sample ID: 13D0046-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1254 [1]	14	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/2/13	4/4/13 9:34	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 9:34	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 9:34	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 9:34	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 9:34	

Project Location: New Bedford, MA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Date Received: 4/1/2013

Sample Description:

Work Order: 13D0046

Field Sample #: 102EX2SB13 (5-7)

Sampled: 4/1/2013 15:40

Sample ID: 13D0046-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1221 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1232 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1242 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1248 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1254 [1]	110	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1260 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1262 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Aroclor-1268 [1]	ND	10	mg/Kg dry	500		SW-846 8082A	4/2/13	4/4/13 9:47	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/4/13 9:47	
Decachlorobiphenyl [2]	*	30-150			S-01			4/4/13 9:47	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/4/13 9:47	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/4/13 9:47	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0101

Date Received: 4/2/2013

Field Sample #: 102EX2SB14 (1-3)

Sampled: 4/2/2013 08:15

Sample ID: 13D0101-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1254 [2]	1.2	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 17:35	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		122	30-150					4/4/13 17:35	
Decachlorobiphenyl [2]		106	30-150					4/4/13 17:35	
Tetrachloro-m-xylene [1]		134	30-150					4/4/13 17:35	
Tetrachloro-m-xylene [2]		114	30-150					4/4/13 17:35	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0101

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 102EX2SB14 (5-7)

Sampled: 4/2/2013 08:25

Sample ID: 13D0101-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1254 [1]	0.20	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 10:16	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		119	30-150					4/5/13 10:16	
Decachlorobiphenyl [2]		106	30-150					4/5/13 10:16	
Tetrachloro-m-xylene [1]		115	30-150					4/5/13 10:16	
Tetrachloro-m-xylene [2]		103	30-150					4/5/13 10:16	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0101

Date Received: 4/2/2013

Field Sample #: 101EX1SB1 (3-4.5)

Sampled: 4/2/2013 08:55

Sample ID: 13D0101-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1254 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1260 [1]	0.69	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 18:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					4/4/13 18:00	
Decachlorobiphenyl [2]		95.5	30-150					4/4/13 18:00	
Tetrachloro-m-xylene [1]		117	30-150					4/4/13 18:00	
Tetrachloro-m-xylene [2]		99.0	30-150					4/4/13 18:00	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SB1 (4.5-6)

Sampled: 4/2/2013 09:00

Sample ID: 13D0101-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1221 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1232 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1242 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1248 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1254 [2]	1300	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1260 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1262 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Aroclor-1268 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	4/3/13	4/5/13 13:54	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 13:54	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 13:54	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 13:54	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 13:54	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX15B2 (3-4.5)

Sampled: 4/2/2013 09:25

Sample ID: 13D0101-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1254 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1260 [1]	0.51	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 10:41	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	127		30-150			4/5/13 10:41			
Decachlorobiphenyl [2]	111		30-150			4/5/13 10:41			
Tetrachloro-m-xylene [1]	123		30-150			4/5/13 10:41			
Tetrachloro-m-xylene [2]	105		30-150			4/5/13 10:41			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SB2 (4.5-6)

Sampled: 4/2/2013 09:30

Sample ID: 13D0101-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1221 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1232 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1242 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1248 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1254 [1]	43	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1260 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1262 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Aroclor-1268 [1]	ND	6.1	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 10:54	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/5/13 10:54	
Decachlorobiphenyl [2]	*		30-150		S-01			4/5/13 10:54	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/5/13 10:54	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/5/13 10:54	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0101

Date Received: 4/2/2013

Field Sample #: 101EX1SB3 (3-5)

Sampled: 4/2/2013 09:55

Sample ID: 13D0101-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1221 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1232 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1242 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1248 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1254 [1]	76	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1260 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1262 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Aroclor-1268 [1]	ND	9.7	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 11:07	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/5/13 11:07	
Decachlorobiphenyl [2]	*	30-150			S-01			4/5/13 11:07	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/5/13 11:07	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/5/13 11:07	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
 Date Received: 4/2/2013
 Field Sample #: 101EX15B3 (5-7)
 Sample ID: 13D0101-19
 Sample Matrix: Soil

Sample Description:
 Sampled: 4/2/2013 10:00

Work Order: 13D0101

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 11:20	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	84.0	30-150	
Decachlorobiphenyl [2]	101	30-150	
Tetrachloro-m-xylene [1]	90.0	30-150	
Tetrachloro-m-xylene [2]	86.7	30-150	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SB4 (3-5)

Sampled: 4/2/2013 10:50

Sample ID: 13D0101-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1254 [2]	1.1	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1260 [1]	1.4	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:17	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	75.4		30-150			4/4/13 19:17			
Decachlorobiphenyl [2]	116		30-150			4/4/13 19:17			
Tetrachloro-m-xylene [1]	102		30-150			4/4/13 19:17			
Tetrachloro-m-xylene [2]	80.0		30-150			4/4/13 19:17			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SB4 (5-7)

Sampled: 4/2/2013 10:55

Sample ID: 13D0101-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1254 [2]	4.6	J 0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1260 [2]	0.54	J 0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 19:30	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	132		30-150			4/4/13 19:30			
Decachlorobiphenyl [2]	177	*	30-150		S-03	4/4/13 19:30			
Tetrachloro-m-xylene [1]	101		30-150			4/4/13 19:30			
Tetrachloro-m-xylene [2]	83.6		30-150			4/4/13 19:30			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0101

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX15B5 (3-5)

Sampled: 4/2/2013 11:15

Sample ID: 13D0101-28

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1254 [2]	8.9	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:33	MJC
Surrogates		% Recovery	Recovery Limits		Flag			4/5/13 11:33	
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 11:33	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 11:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 11:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 11:33	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SBS (5-7)

Sampled: 4/2/2013 11:20

Sample ID: 13D0101-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI.	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1221 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1232 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1242 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1248 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1254 [1]	45	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1260 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1262 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Aroclor-1268 [1]	ND	6.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 11:45	MJC
Surrogates	% Recovery		Recovery Limits		Flag			4/5/13 11:45	
Decachlorobiphenyl [1]	*		30-150		S-01			4/5/13 11:45	
Decachlorobiphenyl [2]	*		30-150		S-01			4/5/13 11:45	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/5/13 11:45	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/5/13 11:45	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0101

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: DUP-5

Sampled: 4/2/2013 00:00

Sample ID: 13D0101-32

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1254 [1]	9.0	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 11:58	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/5/13 11:58
Decachlorobiphenyl [2]	*	30-150	S-01	4/5/13 11:58
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/5/13 11:58
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/5/13 11:58



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0101

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SB6 (3-5)

Sampled: 4/2/2013 11:40

Sample ID: 13D0101-34

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1254 [1]	7.2	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1260 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 12:11	MJC
Surrogates		% Recovery	Recovery Limits		Flag			4/5/13 12:11	
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 12:11	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 12:11	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 12:11	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 12:11	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX1SB6 (5-7)

Sampled: 4/2/2013 11:45

Sample ID: 13D0101-35

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1254 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 12:50	MJC
Surrogates		% Recovery	Recovery Limits		Flag			4/5/13 12:50	
Decachlorobiphenyl [1]		96.4	30-150					4/5/13 12:50	
Decachlorobiphenyl [2]		91.6	30-150					4/5/13 12:50	
Tetrachloro-m-xylene [1]		113	30-150					4/5/13 12:50	
Tetrachloro-m-xylene [2]		101	30-150					4/5/13 12:50	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0101

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SBI (3-5)

Sampled: 4/2/2013 12:25

Sample ID: 13D0101-39

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1221 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1232 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1242 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1248 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1254 [2]	95	53	mg/Kg dry	2000	O-04	SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1260 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1262 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Aroclor-1268 [1]	ND	53	mg/Kg dry	2000		SW-846 8082A	4/3/13	4/5/13 13:02	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/5/13 13:02			
Decachlorobiphenyl [2]	*		30-150		S-01	4/5/13 13:02			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/5/13 13:02			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/5/13 13:02			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB1 (5-7)

Sampled: 4/2/2013 12:30

Sample ID: 13D0101-40

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1221 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1232 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1242 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1248 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1254 [2]	42	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1260 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1262 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Aroclor-1268 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:15	MJC
Surrogates		% Recovery	Recovery Limits		Flag			4/5/13 13:15	
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 13:15	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 13:15	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 13:15	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 13:15	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0102

Date Received: 4/2/2013

Field Sample #: 101EX2SB2 (3-5)

Sampled: 4/2/2013 12:50

Sample ID: 13D0102-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1254 [1]	15	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1260 [2]	3.1	2.2	mg/Kg dry	100	P-01	SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 13:28	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 13:28	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 13:28	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 13:28	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 13:28	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB2 (5-7)

Sampled: 4/2/2013 12:55

Sample ID: 13D0102-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI.	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1221 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1232 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1242 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1248 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1254 [2]	5.1	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1260 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1262 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Aroclor-1268 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/3/13	4/4/13 22:04	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.1	30-150					4/4/13 22:04	
Decachlorobiphenyl [2]		120	30-150					4/4/13 22:04	
Tetrachloro-m-xylene [1]		138	30-150					4/4/13 22:04	
Tetrachloro-m-xylene [2]		115	30-150					4/4/13 22:04	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB3 (3-5)

Sampled: 4/2/2013 13:15

Sample ID: 13D0102-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1221 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1232 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1242 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1248 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1254 [1]	29	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1260 [2]	5.7	5.0	mg/Kg dry	200	P-01	SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1262 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Aroclor-1268 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 13:41	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/5/13 13:41	
Decachlorobiphenyl [2]	*		30-150		S-01			4/5/13 13:41	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/5/13 13:41	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/5/13 13:41	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB3 (S-7)

Sampled: 4/2/2013 13:20

Sample ID: 13D0102-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI.	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100	R-06	SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1254 [2]	13	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 9:04	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/6/13 9:04	
Decachlorobiphenyl [2]		*	30-150		S-01			4/6/13 9:04	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/6/13 9:04	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/6/13 9:04	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0102

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB4 (3-5)

Sampled: 4/2/2013 14:05

Sample ID: 13D0102-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1221 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1232 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1242 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1248 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1254 [2]	32	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1260 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1262 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Aroclor-1268 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:16	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/6/13 9:16	
Decachlorobiphenyl [2]	*	30-150			S-01			4/6/13 9:16	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/6/13 9:16	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/6/13 9:16	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB4 (5-7)

Sampled: 4/2/2013 14:10

Sample ID: 13D0102-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1254 [1]	0.32	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 9:29	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		66.1	30-150					4/6/13 9:29	
Decachlorobiphenyl [2]		72.4	30-150					4/6/13 9:29	
Tetrachloro-m-xylene [1]		75.1	30-150					4/6/13 9:29	
Tetrachloro-m-xylene [2]		64.9	30-150					4/6/13 9:29	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101E:K2SB5 (3-5)

Sampled: 4/2/2013 14:30

Sample ID: 13D0102-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1221 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1232 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1242 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1248 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1254 [1]	40	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1260 [2]	8.2	4.8	mg/Kg dry	200	P-01	SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1262 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Aroclor-1268 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 9:41	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/6/13 9:41	
Decachlorobiphenyl [2]		*	30-150		S-01			4/6/13 9:41	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/6/13 9:41	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/6/13 9:41	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0102

Date Received: 4/2/2013

Field Sample #: 101EN2SB5 (5-7)

Sampled: 4/2/2013 14:35

Sample ID: 13D0102-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1221 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1232 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1242 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1248 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1254 [2]	77	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1260 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1262 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Aroclor-1268 [1]	ND	17	mg/Kg dry	500		SW-846 8082A	4/3/13	4/6/13 9:53	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/6/13 9:53			
Decachlorobiphenyl [2]	*		30-150		S-01	4/6/13 9:53			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/6/13 9:53			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/6/13 9:53			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB6 (7-9)

Sampled: 4/2/2013 15:15

Sample ID: 13D0102-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1254 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:05	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		74.9	30-150					4/6/13 10:05	
Decachlorobiphenyl [2]		78.0	30-150					4/6/13 10:05	
Tetrachloro-m-xylene [1]		93.5	30-150					4/6/13 10:05	
Tetrachloro-m-xylene [2]		79.9	30-150					4/6/13 10:05	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB7 (7-9)

Sampled: 4/2/2013 15:25

Sample ID: 13D0102-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1254 [1]	1.5	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1260 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:22	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		92.0	30-150					4/5/13 18:22	
Decachlorobiphenyl [2]		94.9	30-150					4/5/13 18:22	
Tetrachloro-m-xylene [1]		96.3	30-150					4/5/13 18:22	
Tetrachloro-m-xylene [2]		84.0	30-150					4/5/13 18:22	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB8 (3-5)

Sampled: 4/2/2013 15:40

Sample ID: 13D0102-28

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1254 [1]	1.6 JJ	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1260 [2]	0.64 JJ	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 18:35	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	108		30-150			4/5/13 18:35			
Decachlorobiphenyl [2]	111		30-150			4/5/13 18:35			
Tetrachloro-m-xylene [1]	111		30-150			4/5/13 18:35			
Tetrachloro-m-xylene [2]	96.7		30-150			4/5/13 18:35			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/2/2013

Field Sample #: 101EX2SB8 (5-7)

Sampled: 4/2/2013 15:45

Sample ID: 13D0102-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1221 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1232 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1242 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1248 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1254 [1]	26	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1260 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1262 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Aroclor-1268 [1]	ND	3.2	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:18	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/6/13 10:18			
Decachlorobiphenyl [2]	*		30-150		S-01	4/6/13 10:18			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/6/13 10:18			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/6/13 10:18			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB9 (3-5)

Sampled: 4/3/2013 08:25

Sample ID: 13D0169-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1221 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1232 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1242 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1248 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1254 [2]	19	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1260 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1262 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Aroclor-1268 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:20	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/5/13 16:20			
Decachlorobiphenyl [2]	*		30-150		S-01	4/5/13 16:20			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/5/13 16:20			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/5/13 16:20			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB9 (5-7)

Sampled: 4/3/2013 08:30

Sample ID: 13D0169-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1221 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1232 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1242 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1248 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1254 [1]	43	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1260 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1262 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC
Aroclor-1268 [1]	ND	5.5	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:33	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/5/13 16:33
Decachlorobiphenyl [2]	*	30-150	S-01	4/5/13 16:33
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/5/13 16:33
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/5/13 16:33

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB10 (7-9)

Sampled: 4/3/2013 08:45

Sample ID: 13D0169-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1254 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 16:46	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		76.8	30-150					4/5/13 16:46	
Decachlorobiphenyl [2]		81.3	30-150					4/5/13 16:46	
Tetrachloro-m-xylene [1]		85.8	30-150					4/5/13 16:46	
Tetrachloro-m-xylene [2]		86.9	30-150					4/5/13 16:46	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: DUP-6

Sampled: 4/3/2013 00:00

Sample ID: 13D0169-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1254 [2]	29	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1260 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 16:59	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 16:59	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 16:59	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 16:59	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 16:59	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB11 (3-5)

Sampled: 4/3/2013 09:00

Sample ID: 13D0169-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1254 [2]	24	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1260 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:12	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/5/13 17:12
Decachlorobiphenyl [2]	*	30-150	S-01	4/5/13 17:12
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/5/13 17:12
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/5/13 17:12



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
 Date Received: 4/3/2013
 Field Sample #: 101EX2SB11 (5-7)
 Sample ID: 13D0169-11

Sample Description:
 Sampled: 4/3/2013 09:05

Work Order: 13D0169

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1254 [1]	9.4	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 17:25	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 17:25	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 17:25	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 17:25	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 17:25	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB12 (3-5)

Sampled: 4/3/2013 09:25

Sample ID: 13D0169-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1221 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1232 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1242 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1248 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1254 [2]	33	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1260 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1262 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC
Aroclor-1268 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/3/13	4/5/13 17:38	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/5/13 17:38
Decachlorobiphenyl [2]	*	30-150	S-01	4/5/13 17:38
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/5/13 17:38
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/5/13 17:38

Project Location: New Bedford, MA
 Date Received: 4/3/2013
 Field Sample #: 101EX2SB12 (5-7)
 Sample ID: 13D0169-16
 Sample Matrix: Soil

Sample Description:

Work Order: 13D0169

Sampled: 4/3/2013 09:30

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1254 [1]	0.17	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 18:16	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	104		30-150			4/5/13 18:16			
Decachlorobiphenyl [2]	107		30-150			4/5/13 18:16			
Tetrachloro-m-xylene [1]	72.8		30-150			4/5/13 18:16			
Tetrachloro-m-xylene [2]	73.2		30-150			4/5/13 18:16			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB13 (3-5)

Sampled: 4/3/2013 09:50

Sample ID: 13D0169-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1254 [2]	8.3	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:29	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/5/13 18:29
Decachlorobiphenyl [2]	*	30-150	S-01	4/5/13 18:29
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/5/13 18:29
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/5/13 18:29

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB13 (5-7)

Sampled: 4/3/2013 09:55

Sample ID: 13D0169-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1221 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1232 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1242 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1248 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1254 [1]	75	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1260 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1262 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC
Aroclor-1268 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	4/3/13	4/5/13 18:42	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/5/13 18:42
Decachlorobiphenyl [2]	*	30-150	S-01	4/5/13 18:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/5/13 18:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/5/13 18:42

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB14 (3-5)

Sampled: 4/3/2013 10:15

Sample ID: 13D0169-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1221 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1232 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1242 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1248 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1254 [2]	13	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1260 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1262 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Aroclor-1268 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/3/13	4/5/13 18:55	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/5/13 18:55	
Decachlorobiphenyl [2]	*	30-150			S-01			4/5/13 18:55	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/5/13 18:55	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/5/13 18:55	

Project Location: New Bedford, MA
 Date Received: 4/3/2013
 Field Sample #: 101EX2SB14 (5-7)
 Sample ID: 13D0169-26
 Sample Matrix: Soil

Sample Description:

Work Order: 13D0169

Sampled: 4/3/2013 10:20

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1254 [1]	2.2	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 14:37	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	83.9		30-150			4/5/13 14:37			
Decachlorobiphenyl [2]	84.3		30-150			4/5/13 14:37			
Tetrachloro-m-xylene [1]	84.2		30-150			4/5/13 14:37			
Tetrachloro-m-xylene [2]	84.9		30-150			4/5/13 14:37			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB15 (7-9)

Sampled: 4/3/2013 10:35

Sample ID: 13D0169-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1254 [1]	0.39	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1260 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:08	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	83.2		30-150			4/5/13 19:08			
Decachlorobiphenyl [2]	84.6		30-150			4/5/13 19:08			
Tetrachloro-m-xylene [1]	89.4		30-150			4/5/13 19:08			
Tetrachloro-m-xylene [2]	90.0		30-150			4/5/13 19:08			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB16 (3-5)

Sampled: 4/3/2013 12:05

Sample ID: 13D0169-32

Sample Matrix: Soil

Sample Flags: D1 -03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1221 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1232 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1242 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1248 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1254 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1260 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1262 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Aroclor-1268 [1]	ND	0.92	mg/Kg dry	40		SW-846 8082A	4/3/13	4/5/13 19:21	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/5/13 19:21	
Decachlorobiphenyl [2]		*	30-150		S-01			4/5/13 19:21	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/5/13 19:21	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/5/13 19:21	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/3/2013

Field Sample #: 101EX2SB16 (S-7)

Sampled: 4/3/2013 12:10

Sample ID: 13D0169-33

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1254 [1]	0.33	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1260 [1]	0.17	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/5/13 19:34	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	96.5		30-150			4/5/13 19:34			
Decachlorobiphenyl [2]	90.0		30-150			4/5/13 19:34			
Tetrachloro-m-xylene [1]	94.2		30-150			4/5/13 19:34			
Tetrachloro-m-xylene [2]	95.3		30-150			4/5/13 19:34			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB17 (3-5)

Sampled: 4/3/2013 13:05

Sample ID: 13D0169-37

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1254 [1]	12	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:30	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/6/13 10:30	
Decachlorobiphenyl [2]		*	30-150		S-01			4/6/13 10:30	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/6/13 10:30	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/6/13 10:30	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB17 (5-7)

Sampled: 4/3/2013 13:10

Sample ID: 13D0169-38

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1221 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1232 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1242 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1248 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1254 [1]	23	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1260 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1262 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Aroclor-1268 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 10:42	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/6/13 10:42	
Decachlorobiphenyl [2]		*	30-150		S-01			4/6/13 10:42	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/6/13 10:42	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/6/13 10:42	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB18 (7-9)

Sampled: 4/3/2013 13:25

Sample ID: 13D0169-41

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1254 [2]	3.9	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:01	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		79.3	30-150					4/5/13 20:01	
Decachlorobiphenyl [2]		79.6	30-150					4/5/13 20:01	
Tetrachloro-m-xylene [1]		86.3	30-150					4/5/13 20:01	
Tetrachloro-m-xylene [2]		75.4	30-150					4/5/13 20:01	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB19 (7-9)

Sampled: 4/3/2013 13:35

Sample ID: 13D0169-43

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1254 [2]	0.43	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1260 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 10:55	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	78.9		30-150					4/6/13 10:55	
Decachlorobiphenyl [2]	81.5		30-150					4/6/13 10:55	
Tetrachloro-m-xylene [1]	99.7		30-150					4/6/13 10:55	
Tetrachloro-m-xylene [2]	85.7		30-150					4/6/13 10:55	

Project Location: New Bedford, MA
 Date Received: 4/3/2013
 Field Sample #: 101EX2SB20 (3-5)
 Sample ID: 13D0169-46
 Sample Matrix: Soil

Sample Description:

Work Order: 13D0169

Sampled: 4/3/2013 13:50

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1254 [2]	4.4	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1260 [2]	1.0	0.45	mg/Kg dry	20	P-01	SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:26	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	85.7		30-150					4/5/13 20:26	
Decachlorobiphenyl [2]	84.6		30-150					4/5/13 20:26	
Tetrachloro-m-xylene [1]	93.5		30-150					4/5/13 20:26	
Tetrachloro-m-xylene [2]	82.1		30-150					4/5/13 20:26	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB20 (5-7)

Sampled: 4/3/2013 13:55

Sample ID: 13D0169-47

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI.	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1260 [1]	0.19	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	4/3/13	4/6/13 11:07	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	86.9		30-150			4/6/13 11:07			
Decachlorobiphenyl [2]	88.2		30-150			4/6/13 11:07			
Tetrachloro-m-xylene [1]	91.5		30-150			4/6/13 11:07			
Tetrachloro-m-xylene [2]	78.9		30-150			4/6/13 11:07			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101E:K2SB21 (3-4,5)

Sampled: 4/3/2013 14:15

Sample ID: 13D0169-51

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1248 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1254 [1]	1.2	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1260 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/3/13	4/5/13 20:51	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	85.8		30-150					4/5/13 20:51	
Decachlorobiphenyl [2]	91.1		30-150					4/5/13 20:51	
Tetrachloro-m-xylene [1]	96.4		30-150					4/5/13 20:51	
Tetrachloro-m-xylene [2]	82.3		30-150					4/5/13 20:51	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB22 (3-5)

Sampled: 4/3/2013 15:05

Sample ID: 13D0169-53

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1254 [1]	15	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/3/13	4/6/13 11:19	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/6/13 11:19	
Decachlorobiphenyl [2]		*	30-150		S-01			4/6/13 11:19	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/6/13 11:19	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/6/13 11:19	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0169

Date Received: 4/3/2013

Field Sample #: 101EX2SB22 (5-7)

Sampled: 4/3/2013 15:10

Sample ID: 13D0169-54

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1221 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1232 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1242 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1248 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1254 [1]	63	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1260 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1262 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Aroclor-1268 [1]	ND	5.4	mg/Kg dry	200		SW-846 8082A	4/3/13	4/6/13 11:32	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/6/13 11:32	
Decachlorobiphenyl [2]	*	30-150			S-01			4/6/13 11:32	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/6/13 11:32	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/6/13 11:32	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX2SB23 (3-5)

Sampled: 4/4/2013 08:30

Sample ID: 13D0233-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1221 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1232 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1242 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1248 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1254 [2]	34 JJ	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1260 [2]	5.4 JJ	5.0	mg/Kg dry	200	P-01	SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1262 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Aroclor-1268 [1]	ND	5.0	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:06	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/9/13 10:06	
Decachlorobiphenyl [2]	*	30-150			S-01			4/9/13 10:06	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/9/13 10:06	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/9/13 10:06	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX2S1323 (5-7)

Sampled: 4/4/2013 08:35

Sample ID: 13D0233-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1221 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1232 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1242 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1248 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1254 [1]	32	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1260 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1262 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Aroclor-1268 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:19	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/9/13 10:19	
Decachlorobiphenyl [2]	*		30-150		S-01			4/9/13 10:19	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/9/13 10:19	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/9/13 10:19	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0233

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: Dup-7 (MS/MSD)

Sampled: 4/4/2013 00:00

Sample ID: 13D0233-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1221 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1232 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1242 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1248 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1254 [1]	37	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1260 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1262 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Aroclor-1268 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 10:31	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/9/13 10:31	
Decachlorobiphenyl [2]	*	30-150			S-01			4/9/13 10:31	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/9/13 10:31	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/9/13 10:31	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX2SB24 (3-5)

Sampled: 4/4/2013 08:55

Sample ID: 13D0233-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1254 [2]	13	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 10:44	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 10:44	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 10:44	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 10:44	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 10:44	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX2SB24 (5-7)

Sampled: 4/4/2013 09:00

Sample ID: 13D0233-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1221 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1232 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1242 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1248 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1254 [1]	800	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1260 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1262 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Aroclor-1268 [1]	ND	120	mg/Kg dry	4000		SW-846 8082A	4/5/13	4/9/13 15:25	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 15:25	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 15:25	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 15:25	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 15:25	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB2 (1-3)

Sampled: 4/4/2013 09:30

Sample ID: 13D0233-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1254 [1]	7.9	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1260 [2]	1.7	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 11:10	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/9/13 11:10			
Decachlorobiphenyl [2]	*		30-150		S-01	4/9/13 11:10			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/9/13 11:10			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/9/13 11:10			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB2 (3-5)

Sampled: 4/4/2013 09:35

Sample ID: 13D0233-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1016 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1254 [1]	7.2	1.0	mg/Kg dry	40	O-03	SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1254 [1]	4.7	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	40		SW-846 8082A	4/5/13	4/11/13 13:50	MJC
Aroclor-1268 [2]	0.67	0.49	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:19	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	2080 *	30-150	Z-01
Decachlorobiphenyl [1]	2660 *	30-150	S-24
Decachlorobiphenyl [2]	2040 *	30-150	Z-01
Decachlorobiphenyl [2]	2730 *	30-150	S-24
Tetrachloro-m-xylene [1]	110	30-150	
Tetrachloro-m-xylene [1]	112	30-150	
Tetrachloro-m-xylene [2]	106	30-150	
Tetrachloro-m-xylene [2]	95.9	30-150	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB2 (5-7)

Sampled: 4/4/2013 09:40

Sample ID: 13D0233-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI.	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1221 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1232 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1242 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1248 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1254 [2]	30	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1260 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1262 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Aroclor-1268 [1]	ND	5.7	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 11:35	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/9/13 11:35	
Decachlorobiphenyl [2]	*	30-150			S-01			4/9/13 11:35	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/9/13 11:35	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/9/13 11:35	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB3 (1-3)

Sampled: 4/4/2013 09:55

Sample ID: 13D0233-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1254 [1]	16	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:27	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/9/13 12:27	
Decachlorobiphenyl [2]	*	30-150			S-01			4/9/13 12:27	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/9/13 12:27	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/9/13 12:27	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB3 (3-5)

Sampled: 4/4/2013 10:00

Sample ID: 13D0233-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1254 [2]	14	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:40	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 12:40	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 12:40	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 12:40	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 12:40	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: 101EX3SB3 (S-7)

Sampled: 4/4/2013 10:05

Sample ID: 13D0233-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1221 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1232 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1242 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1248 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1254 [2]	24	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1260 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1262 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Aroclor-1268 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 12:52	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 12:52	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 12:52	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 12:52	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 12:52	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB4 (3-5)

Sampled: 4/4/2013 10:25

Sample ID: 13D0233-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1254 [1]	2.5	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1260 [2]	0.65	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:46	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	115		30-150					4/8/13 20:46	
Decachlorobiphenyl [2]	111		30-150					4/8/13 20:46	
Tetrachloro-m-xylene [1]	119		30-150					4/8/13 20:46	
Tetrachloro-m-xylene [2]	94.8		30-150					4/8/13 20:46	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB4 (5-7)

Sampled: 4/4/2013 10:30

Sample ID: 13D0233-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1221 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1232 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1242 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1248 [2]	2.1	0.53	mg/Kg dry	20	O-04	SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1254 [2]	2.8	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1260 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1262 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Aroclor-1268 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 20:59	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	93.2		30-150			4/8/13 20:59			
Decachlorobiphenyl [2]	88.3		30-150			4/8/13 20:59			
Tetrachloro-m-xylene [1]	123		30-150			4/8/13 20:59			
Tetrachloro-m-xylene [2]	103		30-150			4/8/13 20:59			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: 101EX3SB5 (7-9)

Sampled: 4/4/2013 10:45

Sample ID: 13D0233-27

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1254 [1]	0.66	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1260 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	5		SW-846 8082A	4/5/13	4/10/13 17:06	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		99.1	30-150					4/10/13 17:06	
Decachlorobiphenyl [2]		103	30-150					4/10/13 17:06	
Tetrachloro-m-xylene [1]		112	30-150					4/10/13 17:06	
Tetrachloro-m-xylene [2]		115	30-150					4/10/13 17:06	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB6 (1-3)

Sampled: 4/4/2013 10:55

Sample ID: 13D0233-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI.	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1221 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1232 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1242 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1248 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1254 [2]	41	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1260 [2]	5.4	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1262 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Aroclor-1268 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	4/5/13	4/9/13 13:05	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 13:05	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 13:05	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 13:05	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 13:05	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0233

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: 101EX3SB6 (3-5)

Sampled: 4/4/2013 11:00

Sample ID: 13D0233-30

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1221 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1232 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1242 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1248 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1254 [2]	7.2	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1260 [1]	2.3	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1262 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Aroclor-1268 [1]	ND	0.98	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 13:18	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 13:18	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 13:18	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 13:18	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB6 (5-7)

Sampled: 4/4/2013 11:05

Sample ID: 13D0233-31

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1254 [2]	8.7	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1260 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 13:31	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/9/13 13:31	
Decachlorobiphenyl [2]	*		30-150		S-01			4/9/13 13:31	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/9/13 13:31	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/9/13 13:31	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB7 (1-3)

Sampled: 4/4/2013 12:00

Sample ID: 13D0233-34

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1221 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1232 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1242 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1248 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1254 [1]	19	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1260 [2]	2.8	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1262 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Aroclor-1268 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 13:44	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/9/13 13:44	
Decachlorobiphenyl [2]	*		30-150		S-01			4/9/13 13:44	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/9/13 13:44	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/9/13 13:44	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0233

Date Received: 4/4/2013

Field Sample #: 101EX3SB7 (3-5)

Sampled: 4/4/2013 12:05

Sample ID: 13D0233-35

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1254 [2]	1.4	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1260 [1]	3.0	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/5/13	4/8/13 22:54	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					4/8/13 22:54	
Decachlorobiphenyl [2]		95.7	30-150					4/8/13 22:54	
Tetrachloro-m-xylene [1]		130	30-150					4/8/13 22:54	
Tetrachloro-m-xylene [2]		107	30-150					4/8/13 22:54	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: 101EX3SB7 (5-7)

Sampled: 4/4/2013 12:10

Sample ID: 13D0233-36

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 13:49	MJC
Aroclor-1254 [2]	4.6	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1254 [2]	8.6	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1260 [2]	1.2	0.54	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 13:49	MJC
Aroclor-1260 [2]	1.9	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	4/9/13	4/9/13 13:49	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/9/13	4/10/13 16:16	MJC
Aroclor-1268 [2]	1.1	0.54	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 13:49	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	573 *	30-150	S-24	4/9/13 13:49
Decachlorobiphenyl [1]	313 *	30-150	Z-01	4/10/13 16:16
Decachlorobiphenyl [2]	584 *	30-150	S-24	4/9/13 13:49
Decachlorobiphenyl [2]	334 *	30-150	Z-01	4/10/13 16:16
Tetrachloro-m-xylene [1]	103	30-150		4/9/13 13:49
Tetrachloro-m-xylene [1]	106	30-150		4/10/13 16:16
Tetrachloro-m-xylene [2]	103	30-150		4/9/13 13:49
Tetrachloro-m-xylene [2]	107	30-150		4/10/13 16:16

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: 101EX3SB# (7-9)

Sampled: 4/4/2013 12:25

Sample ID: 13D0233-39

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1254 [1]	1.0	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1260 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 14:02	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	60.7		30-150					4/9/13 14:02	
Decachlorobiphenyl [2]	62.1		30-150					4/9/13 14:02	
Tetrachloro-m-xylene [1]	52.7		30-150					4/9/13 14:02	
Tetrachloro-m-xylene [2]	51.4		30-150					4/9/13 14:02	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB9 (1-3)

Sampled: 4/4/2013 12:35

Sample ID: 13D0235-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1254 [2]	15	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 19:53	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				4/9/13 19:53
Decachlorobiphenyl [2]	*		30-150		S-01				4/9/13 19:53
Tetrachloro-m-xylene [1]	*		30-150		S-01				4/9/13 19:53
Tetrachloro-m-xylene [2]	*		30-150		S-01				4/9/13 19:53



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB9 (3-5)

Sampled: 4/4/2013 12:40

Sample ID: 13D0235-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1254 [1]	6.4	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1260 [2]	1.5	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:06	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/9/13 20:06			
Decachlorobiphenyl [2]	*		30-150		S-01	4/9/13 20:06			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/9/13 20:06			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/9/13 20:06			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB9 (5-7)

Sampled: 4/4/2013 12:45

Sample ID: 13D0235-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1221 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1232 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1242 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1248 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1254 [1]	13	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1260 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1262 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Aroclor-1268 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 20:18	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 20:18	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 20:18	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 20:18	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: Dup-8 (MS/MSD)

Sampled: 4/4/2013 00:00

Sample ID: 13D0235-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1254 [1]	7.0	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1260 [2]	1.4	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/9/13 20:31	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/9/13 20:31			
Decachlorobiphenyl [2]	*		30-150		S-01	4/9/13 20:31			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/9/13 20:31			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/9/13 20:31			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB10 (1-3)

Sampled: 4/4/2013 13:00

Sample ID: 13D0235-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1254 [2]	16	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:44	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/9/13 20:44	
Decachlorobiphenyl [2]	*	30-150			S-01			4/9/13 20:44	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/9/13 20:44	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/9/13 20:44	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB10 (3-5)

Sampled: 4/4/2013 13:05

Sample ID: 13D0235-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1254 [2]	4.0	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1260 [2]	1.3	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 15:20	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	115		30-150					4/9/13 15:20	
Decachlorobiphenyl [2]	119		30-150					4/9/13 15:20	
Tetrachloro-m-xylene [1]	115		30-150					4/9/13 15:20	
Tetrachloro-m-xylene [2]	119		30-150					4/9/13 15:20	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB10 (5-7)

Sampled: 4/4/2013 13:10

Sample ID: 13D0235-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1254 [2]	18	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 20:57	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/9/13 20:57	
Decachlorobiphenyl [2]	*		30-150		S-01			4/9/13 20:57	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/9/13 20:57	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/9/13 20:57	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB11 (1-3)

Sampled: 4/4/2013 14:00

Sample ID: 13D0235-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1221 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1232 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1242 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1248 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1254 [2]	78	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1260 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1262 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Aroclor-1268 [1]	ND	13	mg/Kg dry	500		SW-846 8082A	4/5/13	4/9/13 21:10	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/9/13 21:10	
Decachlorobiphenyl [2]	*	30-150			S-01			4/9/13 21:10	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/9/13 21:10	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/9/13 21:10	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB11 (3-5)

Sampled: 4/4/2013 14:05

Sample ID: 13D0235-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1254 [2]	4.7	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1260 [2]	1.4	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:23	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		110	30-150					4/9/13 21:23	
Decachlorobiphenyl [2]		112	30-150					4/9/13 21:23	
Tetrachloro-m-xylene [1]		107	30-150					4/9/13 21:23	
Tetrachloro-m-xylene [2]		112	30-150					4/9/13 21:23	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB11 (5-7)

Sampled: 4/4/2013 14:10

Sample ID: 13D0235-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1254 [2]	13	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:36	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 21:36	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 21:36	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 21:36	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 21:36	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB1 (1-2)

Sampled: 4/4/2013 14:35

Sample ID: 13D0235-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1254 [2]	1.8	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:04	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					4/9/13 17:04	
Decachlorobiphenyl [2]		98.5	30-150					4/9/13 17:04	
Tetrachloro-m-xylene [1]		50.0	30-150					4/9/13 17:04	
Tetrachloro-m-xylene [2]		50.7	30-150					4/9/13 17:04	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB1 (3-4)

Sampled: 4/4/2013 14:40

Sample ID: 13D0235-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1254 [1]	3.0	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1254 [1]	3.9	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1260 [2]	0.70	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1260 [2]	0.65	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1268 [1]	0.99	0.48	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:31	MJC
Aroclor-1268 [2]	0.82	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	214 *	30-150	S-24
Decachlorobiphenyl [1]	268 *	30-150	S-24
Decachlorobiphenyl [2]	220 *	30-150	S-24
Decachlorobiphenyl [2]	281 *	30-150	S-24
Tetrachloro-m-xylene [1]	99.7	30-150	
Tetrachloro-m-xylene [1]	100	30-150	
Tetrachloro-m-xylene [2]	83.1	30-150	
Tetrachloro-m-xylene [2]	98.6	30-150	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB12 (1-3)

Sampled: 4/4/2013 14:45

Sample ID: 13D0235-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1254 [2]	12	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 21:47	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/9/13 21:47	
Decachlorobiphenyl [2]	*		30-150		S-01			4/9/13 21:47	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/9/13 21:47	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/9/13 21:47	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB12 (3-5)

Sampled: 4/4/2013 14:50

Sample ID: 13D0235-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1221 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1232 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1242 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1248 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1254 [1]	1.5	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1260 [1]	4.2	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1262 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Aroclor-1268 [1]	ND	0.59	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:43	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		89.6	30-150					4/9/13 17:43	
Decachlorobiphenyl [2]		92.1	30-150					4/9/13 17:43	
Tetrachloro-m-xylene [1]		99.5	30-150					4/9/13 17:43	
Tetrachloro-m-xylene [2]		102	30-150					4/9/13 17:43	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB12 (5-7)

Sampled: 4/4/2013 14:55

Sample ID: 13D0235-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1248 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1254 [1]	5.7	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1260 [2]	1.5	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:56	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	95.1		30-150					4/9/13 17:56	
Decachlorobiphenyl [2]	95.7		30-150					4/9/13 17:56	
Tetrachloro-m-xylene [1]	108		30-150					4/9/13 17:56	
Tetrachloro-m-xylene [2]	106		30-150					4/9/13 17:56	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB13 (1-3)

Sampled: 4/4/2013 15:10

Sample ID: 13D0235-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1254 [2]	4.6	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1260 [2]	0.95	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:09	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	113		30-150					4/9/13 18:09	
Decachlorobiphenyl [2]	113		30-150					4/9/13 18:09	
Tetrachloro-m-xylene [1]	112		30-150					4/9/13 18:09	
Tetrachloro-m-xylene [2]	112		30-150					4/9/13 18:09	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/4/2013

Field Sample #: 101EX3SB13 (3-5)

Sampled: 4/4/2013 15:15

Sample ID: 13D0235-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1248 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1254 [1]	0.74	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1260 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:22	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	127		30-150			4/9/13 18:22			
Decachlorobiphenyl [2]	128		30-150			4/9/13 18:22			
Tetrachloro-m-xylene [1]	112		30-150			4/9/13 18:22			
Tetrachloro-m-xylene [2]	112		30-150			4/9/13 18:22			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0235

Date Received: 4/4/2013

Field Sample #: 101EX3SB13 (5-7)

Sampled: 4/4/2013 15:20

Sample ID: 13D0235-26

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1221 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1232 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1242 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1248 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1254 [2]	11	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1260 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1262 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Aroclor-1268 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	4/5/13	4/9/13 22:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/9/13 22:00	
Decachlorobiphenyl [2]		*	30-150		S-01			4/9/13 22:00	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/9/13 22:00	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/9/13 22:00	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 101EX3SB14 (1-3)

Sampled: 4/5/2013 08:30

Sample ID: 13D0284-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1254 [1]	18	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 9:29	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/10/13 9:29	
Decachlorobiphenyl [2]	*		30-150		S-01			4/10/13 9:29	
Tetrachloro-m-xylenc [1]	*		30-150		S-01			4/10/13 9:29	
Tetrachloro-m-xylenc [2]	*		30-150		S-01			4/10/13 9:29	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 101EX3SB14 (4)

Sampled: 4/5/2013 08:35

Sample ID: 13D0284-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1221 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1232 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1242 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1248 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1254 [2]	1.9 JJ	0.49	mg/Kg dry	20	P-06	SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1260 [2]	0.93 JJ	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1262 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Aroclor-1268 [2]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:33	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	303	*	30-150		S-12			4/9/13 17:33	
Decachlorobiphenyl [2]	88.3		30-150					4/9/13 17:33	
Tetrachloro-m-xylene [1]	89.1		30-150					4/9/13 17:33	
Tetrachloro-m-xylene [2]	89.7		30-150					4/9/13 17:33	

Project Location: New Bedford, MA
 Date Received: 4/5/2013
 Field Sample #: 101EX3SIB14 (3-5)
 Sample ID: 13D0284-03
 Sample Matrix: Soil

Sample Description:

Work Order: 13D0284

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1221 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1232 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1242 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1248 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1254 [2]	1.5	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1260 [2]	0.84	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1262 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC
Aroclor-1268 [2]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 17:46	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	512 *	30-150	S-12	4/9/13 17:46
Decachlorobiphenyl [2]	96.0	30-150		4/9/13 17:46
Tetrachloro-m-xylene [1]	102	30-150		4/9/13 17:46
Tetrachloro-m-xylene [2]	105	30-150		4/9/13 17:46

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 101EX3SB14 (5-7)

Sampled: 4/5/2013 08:45

Sample ID: 13D0284-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1221 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1232 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1242 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1248 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1254 [2]	16	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1260 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1262 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB
Aroclor-1268 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 19:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	*	30-150	S-01
Decachlorobiphenyl [2]	*	30-150	S-01
Tetrachloro-m-xylene [1]	*	30-150	S-01
Tetrachloro-m-xylene [2]	*	30-150	S-01

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB1 (3-5)

Sampled: 4/5/2013 09:05

Sample ID: 13D0284-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1254 [2]	13	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1260 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 9:56	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/10/13 9:56	
Decachlorobiphenyl [2]	*	30-150			S-01			4/10/13 9:56	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/10/13 9:56	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/10/13 9:56	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASBt (5-7)

Sampled: 4/5/2013 09:10

Sample ID: 13D0284-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1254 [1]	0.50	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:25	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	123		30-150			4/9/13 18:25			
Decachlorobiphenyl [2]	82.2		30-150			4/9/13 18:25			
Tetrachloro-m-xylene [1]	86.3		30-150			4/9/13 18:25			
Tetrachloro-m-xylene [2]	84.4		30-150			4/9/13 18:25			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB1 (7-9)

Sampled: 4/5/2013 09:15

Sample ID: 13D0284-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1016 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1221 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1221 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1232 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1232 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1242 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1242 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1248 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1248 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1248 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1248 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1254 [1]	1.8	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1254 [1]	0.82	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1260 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1260 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1260 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1262 [1]	ND	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1262 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1262 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1268 [1]	1.0	0.67	mg/Kg dry	20		SW-846 8082A	4/10/13	4/11/13 15:43	MJC
Aroclor-1268 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Aroclor-1268 [1]	ND	0.68	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 18:38	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	1440 *	30-150	S-24					4/11/13 15:43	
Decachlorobiphenyl [1]	614 *	30-150	Z-01					4/9/13 18:38	
Decachlorobiphenyl [2]	1460 *	30-150	S-24					4/11/13 15:43	
Decachlorobiphenyl [2]	542 *	30-150	Z-01					4/9/13 18:38	
Tetrachloro-m-xylene [1]	96.8	30-150						4/9/13 18:38	
Tetrachloro-m-xylene [1]	82.8	30-150						4/11/13 15:43	
Tetrachloro-m-xylene [2]	72.2	30-150						4/11/13 15:43	
Tetrachloro-m-xylene [2]	97.9	30-150						4/9/13 18:38	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: DUP-9

Sampled: 4/5/2013 00:00

Sample ID: 13D0284-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1248 [1]	1.1	0.52	mg/Kg dry	20	O-04	SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1254 [1]	4.6	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1260 [2]	1.3	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:29	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	121		30-150			4/9/13 19:29			
Decachlorobiphenyl [2]	102		30-150			4/9/13 19:29			
Tetrachloro-m-xylene [1]	90.2		30-150			4/9/13 19:29			
Tetrachloro-m-xylene [2]	88.6		30-150			4/9/13 19:29			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB2 (3-5)

Sampled: 4/5/2013 09:30

Sample ID: 13D0284-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1248 [1]	0.59	0.50	mg/Kg dry	20	O-04	SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1254 [1]	2.8	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1260 [2]	1.3	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 19:42	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	136		30-150			4/9/13 19:42			
Decachlorobiphenyl [2]	117		30-150			4/9/13 19:42			
Tetrachloro-m-xylene [1]	102		30-150			4/9/13 19:42			
Tetrachloro-m-xylene [2]	103		30-150			4/9/13 19:42			

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/5/2013

Field Sample #: 1016ASB2 (5-7)

Sampled: 4/5/2013 09:35

Sample ID: 13D0284-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1221 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1232 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1242 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1248 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1254 [1]	7.8	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1260 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1262 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Aroclor-1268 [1]	ND	0.99	mg/Kg dry	40		SW-846 8082A	4/5/13	4/10/13 10:09	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/10/13 10:09	
Decachlorobiphenyl [2]	*		30-150		S-01			4/10/13 10:09	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/10/13 10:09	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/10/13 10:09	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB2 (7-9)

Sampled: 4/5/2013 09:40

Sample ID: 13D0284-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1221 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1232 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1242 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1248 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1254 [1]	1.9	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1260 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1262 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Aroclor-1268 [1]	ND	0.58	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:08	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		100	30-150					4/9/13 20:08	
Decachlorobiphenyl [2]		86.9	30-150					4/9/13 20:08	
Tetrachloro-m-xylene [1]		95.4	30-150					4/9/13 20:08	
Tetrachloro-m-xylene [2]		90.8	30-150					4/9/13 20:08	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB3 (3-5)

Sampled: 4/5/2013 10:05

Sample ID: 13D0284-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1248 [2]	0.63	0.51	mg/Kg dry	20	O-04	SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1254 [2]	3.5	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1260 [2]	0.91	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:21	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	116		30-150			4/9/13 20:21			
Decachlorobiphenyl [2]	103		30-150			4/9/13 20:21			
Tetrachloro-m-xylene [1]	107		30-150			4/9/13 20:21			
Tetrachloro-m-xylene [2]	114		30-150			4/9/13 20:21			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB3 (5-7)

Sampled: 4/5/2013 10:10

Sample ID: 13D0284-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1221 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1232 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1242 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1248 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1254 [1]	0.49	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1260 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1262 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB
Aroclor-1268 [1]	ND	0.26	mg/Kg dry	10		SW-846 8082A	4/5/13	4/10/13 11:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	68.1	30-150	
Decachlorobiphenyl [2]	71.4	30-150	
Tetrachloro-m-xylene [1]	76.9	30-150	
Tetrachloro-m-xylene [2]	79.2	30-150	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1016ASB3 (7-9)

Sampled: 4/5/2013 10:15

Sample ID: 13D0284-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1221 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1232 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1242 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1248 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1254 [2]	1.7	0.63	mg/Kg dry	20	P-06	SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1260 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1262 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Aroclor-1268 [2]	ND	0.63	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 20:47	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	166	*	30-150		S-12	4/9/13 20:47			
Decachlorobiphenyl [2]	149		30-150			4/9/13 20:47			
Tetrachloro-m-xylene [1]	97.9		30-150			4/9/13 20:47			
Tetrachloro-m-xylene [2]	94.0		30-150			4/9/13 20:47			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DSB1 (3-5)

Sampled: 4/5/2013 10:30

Sample ID: 13D0284-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1254 [2]	1.9	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1260 [2]	0.71	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:00	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	106		30-150			4/9/13 21:00			
Decachlorobiphenyl [2]	93.7		30-150			4/9/13 21:00			
Tetrachloro-m-xylene [1]	103		30-150			4/9/13 21:00			
Tetrachloro-m-xylene [2]	103		30-150			4/9/13 21:00			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DSB1 (5-7)

Sampled: 4/5/2013 10:35

Sample ID: 13D0284-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1248 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1254 [2]	2.1	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1260 [2]	0.84	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 21:13	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		107	30-150					4/9/13 21:13	
Decachlorobiphenyl [2]		90.0	30-150					4/9/13 21:13	
Tetrachloro-m-xylene [1]		98.5	30-150					4/9/13 21:13	
Tetrachloro-m-xylene [2]		96.2	30-150					4/9/13 21:13	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DSB1 (7-9)

Sampled: 4/5/2013 10:40

Sample ID: 13D0284-26

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1221 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1232 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1242 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1248 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1254 [1]	95	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1260 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1262 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB
Aroclor-1268 [1]	ND	10	mg/Kg dry	200		SW-846 8082A	4/5/13	4/10/13 10:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	4/10/13 10:22
Decachlorobiphenyl [2]	*	30-150	S-01	4/10/13 10:22
Tetrachloro-m-xylene [1]	*	30-150	S-01	4/10/13 10:22
Tetrachloro-m-xylene [2]	*	30-150	S-01	4/10/13 10:22



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DSB2 (3-5)

Sampled: 4/5/2013 11:35

Sample ID: 13D0284-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1221 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1232 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1242 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1248 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1254 [1]	4.7	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1260 [2]	1.5	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1262 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Aroclor-1268 [1]	ND	0.52	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:17	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	112		30-150					4/9/13 22:17	
Decachlorobiphenyl [2]	97.7		30-150					4/9/13 22:17	
Tetrachloro-m-xylene [1]	95.9		30-150					4/9/13 22:17	
Tetrachloro-m-xylene [2]	92.6		30-150					4/9/13 22:17	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13D0284

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/5/2013

Field Sample #: 1014DSB2 (5-7)

Sampled: 4/5/2013 11:40

Sample ID: 13D0284-30

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1254 [2]	26	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	4/5/13	4/10/13 10:35	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/10/13 10:35	
Decachlorobiphenyl [2]	*	30-150			S-01			4/10/13 10:35	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/10/13 10:35	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/10/13 10:35	

Project Location: New Bedford, MA

Sample Description:

Date Received: 4/5/2013

Field Sample #: 1014DSB2 (7-9)

Sampled: 4/5/2013 11:45

Sample ID: 13D0284-31

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1254 [2]	9.2	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1260 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	20		SW-846 8082A	4/5/13	4/9/13 22:43	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		93.4	30-150					4/9/13 22:43	
Decachlorobiphenyl [2]		86.0	30-150					4/9/13 22:43	
Tetrachloro-m-xylene [1]		103	30-150					4/9/13 22:43	
Tetrachloro-m-xylene [2]		103	30-150					4/9/13 22:43	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DSB3 (3-5)

Sampled: 4/5/2013 12:00

Sample ID: 13D0284-34

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1221 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1232 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1242 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1248 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1254 [1]	120	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1260 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1262 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Aroclor-1268 [1]	ND	10	mg/Kg dry	400		SW-846 8082A	4/5/13	4/11/13 15:47	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/11/13 15:47	
Decachlorobiphenyl [2]	*	30-150			S-01			4/11/13 15:47	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/11/13 15:47	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/11/13 15:47	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DS13 (5-7)

Sampled: 4/5/2013 12:05

Sample ID: 13D0284-35

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1221 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1232 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1242 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1248 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1254 [2]	470	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1260 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1262 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Aroclor-1268 [1]	ND	50	mg/Kg dry	2000		SW-846 8082A	4/5/13	4/11/13 16:00	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/11/13 16:00	
Decachlorobiphenyl [2]		*	30-150		S-01			4/11/13 16:00	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/11/13 16:00	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/11/13 16:00	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0284

Date Received: 4/5/2013

Field Sample #: 1014DSB3 (7-9)

Sampled: 4/5/2013 12:10

Sample ID: 13D0284-36

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1221 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1232 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1242 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1248 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1254 [2]	44	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1260 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1262 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Aroclor-1268 [1]	ND	8.2	mg/Kg dry	100		SW-846 8082A	4/5/13	4/11/13 16:13	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/11/13 16:13			
Decachlorobiphenyl [2]	*		30-150		S-01	4/11/13 16:13			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/11/13 16:13			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/11/13 16:13			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0378

Date Received: 4/9/2013

Field Sample #: 102EX2SB3 (7-9)

Sampled: 4/1/2013 11:25

Sample ID: 13D0378-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/9/13	4/11/13 13:23	PJG
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	91.4	30-150						4/11/13 13:23	
Decachlorobiphenyl [2]	89.7	30-150						4/11/13 13:23	
Tetrachloro-m-xylene [1]	101	30-150						4/11/13 13:23	
Tetrachloro-m-xylene [2]	102	30-150						4/11/13 13:23	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description.

Work Order: 13D0379

Date Received: 4/9/2013

Field Sample #: 102EX2SB4 (7-9)

Sampled: 4/1/2013 11.45

Sample ID: 13D0379-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:28	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		99.5	30-150					4/13/13 12:28	
Decachlorobiphenyl [2]		109	30-150					4/13/13 12:28	
Tetrachloro-m-xylene [1]		95.6	30-150					4/13/13 12:28	
Tetrachloro-m-xylene [2]		104	30-150					4/13/13 12:28	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0379

Date Received: 4/9/2013

Field Sample #: 102EX2SB6 (7-9)

Sampled: 4/1/2013 12:15

Sample ID: 13D0379-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	104	30-150	
Decachlorobiphenyl [2]	114	30-150	
Tetrachloro-m-xylene [1]	98.1	30-150	
Tetrachloro-m-xylene [2]	107	30-150	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0379

Date Received: 4/9/2013

Field Sample #: 102EX2SB8 (7-9)

Sampled: 4/1/2013 13:35

Sample ID: 13D0379-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 12:54	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		101	30-150					4/13/13 12:54	
Decachlorobiphenyl [2]		110	30-150					4/13/13 12:54	
Tetrachloro-m-xylene [1]		96.8	30-150					4/13/13 12:54	
Tetrachloro-m-xylene [2]		106	30-150					4/13/13 12:54	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0381

Date Received: 4/9/2013

Field Sample #: 102EX2SB13 (7-9)

Sampled: 4/1/2013 15:45

Sample ID: 13D0381-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1221 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1232 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1242 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1248 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1254 [2]	40	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1260 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1262 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Aroclor-1268 [1]	ND	5.6	mg/Kg dry	250		SW-846 8082A	4/11/13	4/14/13 5:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/14/13 5:37	
Decachlorobiphenyl [2]		*	30-150		S-01			4/14/13 5:37	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/14/13 5:37	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/14/13 5:37	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0383

Date Received: 4/9/2013

Field Sample #: 101EX1SB1 (6-8)

Sampled: 4/2/2013 09.05

Sample ID: 13D0383-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1221 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1232 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1242 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1248 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1254 [2]	170	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1260 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1262 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Aroclor-1268 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/11/13	4/14/13 7:20	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/14/13 7:20	
Decachlorobiphenyl [2]	*		30-150		S-01			4/14/13 7:20	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/14/13 7:20	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/14/13 7:20	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0383

Date Received: 4/9/2013

Field Sample #: 101EX1SB1 (8-10)

Sampled: 4/2/2013 09:10

Sample ID: 13D0383-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1254 [2]	1.2	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	4/11/13	4/15/13 11:57	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	92.3		30-150			4/15/13 11:57			
Decachlorobiphenyl [2]	127		30-150			4/15/13 11:57			
Tetrachloro-m-xylene [1]	99.6		30-150			4/15/13 11:57			
Tetrachloro-m-xylene [2]	107		30-150			4/15/13 11:57			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0386

Date Received: 4/9/2013

Field Sample #: 101EX2SB5 (7-9)

Sampled: 4/2/2013 14:40

Sample ID: 13D0386-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1221 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1232 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1242 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1248 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1254 [2]	0.65	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1260 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1262 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Aroclor-1268 [1]	ND	0.39	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 14:37	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		69.1	30-150					4/13/13 14:37	
Decachlorobiphenyl [2]		75.9	30-150					4/13/13 14:37	
Tetrachloro-m-xylene [1]		81.3	30-150					4/13/13 14:37	
Tetrachloro-m-xylene [2]		85.8	30-150					4/13/13 14:37	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0439

Date Received: 4/10/2013

Field Sample #: 101EX2SB13 (7-9)

Sampled: 4/3/2013 10:00

Sample ID: 13D0439-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1254 [2]	29	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	50		SW-846 8082A	4/11/13	4/14/13 6:03	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/14/13 6:03	
Decachlorobiphenyl [2]		*	30-150		S-01			4/14/13 6:03	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/14/13 6:03	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/14/13 6:03	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0439

Date Received: 4/10/2013

Field Sample #: 101EX2SB22 (7-9)

Sampled: 4/3/2013 15:15

Sample ID: 13D0439-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1221 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1232 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1242 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1248 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1254 [2]	0.53	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1260 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1262 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Aroclor-1268 [1]	ND	0.29	mg/Kg dry	5		SW-846 8082A	4/11/13	4/13/13 15:03	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	78.6		30-150			4/13/13 15:03			
Decachlorobiphenyl [2]	86.8		30-150			4/13/13 15:03			
Tetrachloro-m-xylene [1]	86.4		30-150			4/13/13 15:03			
Tetrachloro-m-xylene [2]	91.1		30-150			4/13/13 15:03			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0442

Date Received: 4/10/2013

Field Sample #: 102EX1SB3 (3-5)

Sampled: 4/1/2013 09:25

Sample ID: 13D0442-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1254 [2]	21	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	4/11/13	4/14/13 6:16	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/14/13 6:16	
Decachlorobiphenyl [2]	*		30-150		S-01			4/14/13 6:16	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/14/13 6:16	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/14/13 6:16	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0442

Date Received: 4/10/2013

Field Sample #: 102EX15B3 (5-7)

Sampled: 4/1/2013 09:30

Sample ID: 13D0442-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1221 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1232 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1242 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1248 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1254 [2]	5100	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1260 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1262 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Aroclor-1268 [1]	ND	620	mg/Kg dry	25000		SW-846 8082A	4/11/13	4/14/13 7:33	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/14/13 7:33	
Decachlorobiphenyl [2]		*	30-150		S-01			4/14/13 7:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/14/13 7:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/14/13 7:33	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0442

Date Received: 4/10/2013

Field Sample #: 102EX1SB3 (7-9)

Sampled: 4/1/2013 09:35

Sample ID: 13D0442-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1221 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1232 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1242 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1248 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1254 [2]	5.9	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1260 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1262 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Aroclor-1268 [1]	ND	0.88	mg/Kg dry	40		SW-846 8082A	4/11/13	4/14/13 7:45	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/14/13 7:45	
Decachlorobiphenyl [2]		*	30-150		S-01			4/14/13 7:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/14/13 7:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/14/13 7:45	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0556

Date Received: 4/12/2013

Field Sample #: 1014DSB1 (9-11)

Sampled: 4/5/2013 10:45

Sample ID: 13D0556-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1221 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1232 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1242 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1248 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1254 [2]	53	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1260 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1262 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Aroclor-1268 [1]	ND	8.5	mg/Kg dry	100		SW-846 8082A	4/16/13	4/18/13 15:08	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/18/13 15:08	
Decachlorobiphenyl [2]		*	30-150		S-01			4/18/13 15:08	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/18/13 15:08	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/18/13 15:08	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0558

Date Received: 4/12/2013

Field Sample #: 101EX2SB24 (7-9)

Sampled: 4/4/2013 09:05

Sample ID: 13D0558-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1254 [2]	8.7	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	25		SW-846 8082A	4/16/13	4/18/13 15:21	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	93.2		30-150			4/18/13 15:21			
Decachlorobiphenyl [2]	98.5		30-150			4/18/13 15:21			
Tetrachloro-m-xylene [1]	84.6		30-150			4/18/13 15:21			
Tetrachloro-m-xylene [2]	87.4		30-150			4/18/13 15:21			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0558

Date Received: 4/12/2013

Field Sample #: 101EX2SB24 (9-11)

Sampled: 4/4/2013 09:10

Sample ID: 13D0558-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1221 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1232 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1242 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1248 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1254 [2]	35	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1260 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1262 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Aroclor-1268 [1]	ND	6.2	mg/Kg dry	250		SW-846 8082A	4/16/13	4/18/13 15:34	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/18/13 15:34	
Decachlorobiphenyl [2]	*		30-150		S-01			4/18/13 15:34	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/18/13 15:34	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/18/13 15:34	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0684

Date Received: 4/17/2013

Field Sample #: 101EX1SB2 (6-8)

Sampled: 4/2/2013 09:35

Sample ID: 13D0684-01

Sample Matrix: Soil

Sample Flags: H-01

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1221 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1232 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1242 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1248 [2]	2.9	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1254 [2]	4.1	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1260 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1262 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Aroclor-1268 [1]	ND	0.69	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 18:57	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	87.9	30-150						4/22/13 18:57	
Decachlorobiphenyl [2]	108	30-150						4/22/13 18:57	
Tetrachloro-m-xylene [1]	104	30-150						4/22/13 18:57	
Tetrachloro-m-xylene [2]	110	30-150						4/22/13 18:57	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0684

Date Received: 4/17/2013

Field Sample #: 101EX1SB2 (8-9)

Sampled: 4/2/2013 09:40

Sample ID: 13D0684-02

Sample Matrix: Soil

Sample Flags: H-01

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1248 [2]	2.4	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1254 [2]	3.4	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1260 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	4/18/13	4/22/13 19:10	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	94.9		30-150			4/22/13 19:10			
Decachlorobiphenyl [2]	111		30-150			4/22/13 19:10			
Tetrachloro-m-xylene [1]	103		30-150			4/22/13 19:10			
Tetrachloro-m-xylene [2]	101		30-150			4/22/13 19:10			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description

Work Order: 13D0684

Date Received: 4/17/2013

Field Sample #: 101EX1SB2 (9-11)

Sampled: 4/2/2013 09:45

Sample ID: 13D0684-03

Sample Matrix: Soil

Sample Flags: H-01, O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1254 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	5		SW-846 8082A	4/18/13	5/7/13 17:34	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		92.5	30-150					5/7/13 17:34	
Decachlorobiphenyl [2]		99.1	30-150					5/7/13 17:34	
Tetrachloro-m-xylene [1]		102	30-150					5/7/13 17:34	
Tetrachloro-m-xylene [2]		102	30-150					5/7/13 17:34	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0742

Date Received: 4/18/2013

Field Sample #: 102EX1SB1 (3-5)

Sampled: 4/1/2013 08:35

Sample ID: 13D0742-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1254 [2]	9.9	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 9:44	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			4/23/13 9:44	
Decachlorobiphenyl [2]	*		30-150		S-01			4/23/13 9:44	
Tetrachloro-m-xylene [1]	*		30-150		S-01			4/23/13 9:44	
Tetrachloro-m-xylene [2]	*		30-150		S-01			4/23/13 9:44	

Project Location: New Bedford, MA 39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332
 Date Received: 4/18/2013 Sample Description: Work Order: 13D0742
 Field Sample #: 102EX1SB1 (5-7) Sampled: 4/1/2013 08:40
 Sample ID: 13D0742-02
 Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1221 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1232 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1242 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1248 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1254 [2]	560	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1260 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1262 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Aroclor-1268 [1]	ND	46	mg/Kg dry	2000		SW-846 8082A	4/18/13	4/23/13 9:56	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01				
Decachlorobiphenyl [2]	*	30-150			S-01			4/23/13 9:56	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/23/13 9:56	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/23/13 9:56	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0742

Date Received: 4/18/2013

Field Sample #: 102EX1SB1 (7-9)

Sampled: 4/1/2013 08:45

Sample ID: 13D0742-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1254 [1]	0.18	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	4/18/13	4/23/13 12:05	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	107		30-150			4/23/13 12:05			
Decachlorobiphenyl [2]	122		30-150			4/23/13 12:05			
Tetrachloro-m-xylene [1]	100		30-150			4/23/13 12:05			
Tetrachloro-m-xylene [2]	103		30-150			4/23/13 12:05			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0742

Date Received: 4/18/2013

Field Sample #: 102EX1S1B2 (3-5)

Sampled: 4/1/2013 09:00

Sample ID: 13D0742-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1221 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1232 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1242 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1248 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1254 [2]	100000	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1260 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1262 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Aroclor-1268 [1]	ND	23000	mg/Kg dry	1000000		SW-846 8082A	4/18/13	4/23/13 11:52	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/23/13 11:52	
Decachlorobiphenyl [2]		*	30-150		S-01			4/23/13 11:52	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/23/13 11:52	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/23/13 11:52	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0742

Date Received: 4/18/2013

Field Sample #: 102EX1SB2 (5-7)

Sampled: 4/1/2013 09:05

Sample ID: 13D0742-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1221 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1232 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1242 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1248 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1254 [2]	160	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1260 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1262 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Aroclor-1268 [1]	ND	27	mg/Kg dry	1000		SW-846 8082A	4/18/13	4/23/13 10:22	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/23/13 10:22	
Decachlorobiphenyl [2]	*	30-150			S-01			4/23/13 10:22	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/23/13 10:22	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/23/13 10:22	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0742

Date Received: 4/18/2013

Field Sample #: 102EX1SB2 (7-9)

Sampled: 4/1/2013 09:10

Sample ID: 13D0742-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1221 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1232 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1242 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1248 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1254 [2]	8.6	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1260 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1262 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Aroclor-1268 [1]	ND	0.93	mg/Kg dry	20		SW-846 8082A	4/18/13	4/23/13 9:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		84.5	30-150					4/23/13 9:18	
Decachlorobiphenyl [2]		96.3	30-150					4/23/13 9:18	
Tetrachloro-m-xylene [1]		95.1	30-150					4/23/13 9:18	
Tetrachloro-m-xylene [2]		89.5	30-150					4/23/13 9:18	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0742

Date Received: 4/18/2013

Field Sample #: 102EX1SB4 (3-5)

Sampled: 4/1/2013 09:50

Sample ID: 13D0742-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1221 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1232 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1242 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1248 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1254 [2]	6900	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1260 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1262 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Aroclor-1268 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	4/18/13	4/23/13 11:39	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/23/13 11:39	
Decachlorobiphenyl [2]		*	30-150		S-01			4/23/13 11:39	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/23/13 11:39	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/23/13 11:39	

Project Location: New Bedford, MA
 Date Received: 4/18/2013
 Field Sample #: 102EX1SB4 (5-7)
 Sample ID: 13D0742-08
 Sample Matrix: Soil

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332
 Sample Description:
 Sampled: 4/1/2013 09:55

Work Order: 13D0742

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1221 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1232 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1242 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1248 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1254 [2]	14	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1260 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1262 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Aroclor-1268 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	4/18/13	4/23/13 10:47	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/23/13 10:47	
Decachlorobiphenyl [2]	*	30-150			S-01			4/23/13 10:47	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/23/13 10:47	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/23/13 10:47	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0888

Date Received: 4/23/2013

Field Sample #: 1016ASB1 (1-3)

Sampled: 4/5/2013 09:00

Sample ID: 13D0888-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RI	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1221 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1232 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1242 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1248 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1254 [2]	95	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1260 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1262 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Aroclor-1268 [1]	ND	9.2	mg/Kg dry	400		SW-846 8082A	4/23/13	4/25/13 6:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			4/25/13 6:29	
Decachlorobiphenyl [2]		*	30-150		S-01			4/25/13 6:29	
Tetrachloro-m-xylene [1]		*	30-150		S-01			4/25/13 6:29	
Tetrachloro-m-xylene [2]		*	30-150		S-01			4/25/13 6:29	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0888

Date Received: 4/23/2013

Field Sample #: 1016ASB2 (1-3)

Sampled: 4/5/2013 09:25

Sample ID: 13D0888-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1254 [2]	25	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:41	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	4/25/13 6:41			
Decachlorobiphenyl [2]	*		30-150		S-01	4/25/13 6:41			
Tetrachloro-m-xylene [1]	*		30-150		S-01	4/25/13 6:41			
Tetrachloro-m-xylene [2]	*		30-150		S-01	4/25/13 6:41			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0888

Date Received: 4/23/2013

Field Sample #: 1016ASB2 (1-3) - DUP

Sampled: 4/5/2013 09:25

Sample ID: 13D0888-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1254 [2]	20	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1260 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	4/23/13	4/25/13 6:54	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			4/25/13 6:54	
Decachlorobiphenyl [2]	*	30-150			S-01			4/25/13 6:54	
Tetrachloro-m-xylene [1]	*	30-150			S-01			4/25/13 6:54	
Tetrachloro-m-xylene [2]	*	30-150			S-01			4/25/13 6:54	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13D0888

Date Received: 4/23/2013

Field Sample #: 1016ASB3 (1-3)

Sampled: 4/5/2013 10:00

Sample ID: 13D0888-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1254 [2]	2.3	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1260 [2]	0.82	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	4/23/13	4/25/13 7:07	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	113	30-150			S-01			4/25/13 7:07	
Decachlorobiphenyl [2]	125	30-150			S-01			4/25/13 7:07	
Tetrachloro-m-xylene [1]	112	30-150			S-01			4/25/13 7:07	
Tetrachloro-m-xylene [2]	110	30-150			S-01			4/25/13 7:07	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SBI-B (5-7ft)

Sampled: 5/14/2013 09:15

Sample ID: 13E0480-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1221 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1232 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1242 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1248 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1254 [1]	92	9.8	mg/Kg dry	400	V-24	SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1260 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1262 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Aroclor-1268 [1]	ND	9.8	mg/Kg dry	400		SW-846 8082A	5/15/13	5/22/13 18:44	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/22/13 18:44	
Decachlorobiphenyl [2]		*	30-150		S-01			5/22/13 18:44	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/22/13 18:44	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/22/13 18:44	

Handwritten notes: 45, 92, 45, and arrows pointing to the results column.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB2-A (3-5ft)

Sampled: 5/14/2013 09:35

Sample ID: 13E0480-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1254 [1]	5.3	0.55	mg/Kg dry	20	V-24	SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1260 [1]	0.57	0.55	mg/Kg dry	20	O-04, P-02, V-24	SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/21/13 23:27	MJC
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	97.3	30-150							
Decachlorobiphenyl [2]	111	30-150							
Tetrachloro-m-xylene [1]	96.6	30-150							
Tetrachloro-m-xylene [2]	112	30-150							



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB2-A (5-7ft)

Sampled: 5/14/2013 09:40

Sample ID: 13E0480-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1221 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1232 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1242 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1248 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1254 [2]	14000	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1260 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1262 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Aroclor-1268 [1]	ND	2500	mg/Kg dry	100000		SW-846 8082A	5/15/13	5/23/13 10:58	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 10:58	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 10:58	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 10:58	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 10:58	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB2-B (3-5ft)

Sampled: 5/14/2013 10:10

Sample ID: 13E0480-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1221 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1232 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1242 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1248 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1254 [1]	760	130	mg/Kg dry	5000	V-24	SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1260 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1262 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Aroclor-1268 [1]	ND	130	mg/Kg dry	5000		SW-846 8082A	5/15/13	5/22/13 19:10	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/22/13 19:10	
Decachlorobiphenyl [2]		*	30-150		S-01			5/22/13 19:10	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/22/13 19:10	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/22/13 19:10	

Handwritten notes in blue ink: "WS" with an arrow pointing to the result for Aroclor-1248, and "WS" with an arrow pointing to the result for Aroclor-1260.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB2-B (5-7ft)

Sampled: 5/14/2013 10:15

Sample ID: 13E0480-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1248 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1254 [1]	2.0	0.51	mg/Kg dry	20	V-24	SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1260 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 19:23	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		110	30-150					5/22/13 19:23	
Decachlorobiphenyl [2]		108	30-150					5/22/13 19:23	
Tetrachloro-m-xylene [1]		108	30-150					5/22/13 19:23	
Tetrachloro-m-xylene [2]		120	30-150					5/22/13 19:23	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB1-A (5-7ft)

Sampled: 5/14/2013 10:55

Sample ID: 13E0480-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1254 [1]	3.9	0.55	mg/Kg dry	20	O-03, V-24	SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1260 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:19	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		109	30-150					5/22/13 0:19	
Decachlorobiphenyl [2]		125	30-150					5/22/13 0:19	
Tetrachloro-m-xylene [1]		112	30-150					5/22/13 0:19	
Tetrachloro-m-xylene [2]		133	30-150					5/22/13 0:19	

Handwritten blue annotations: '45' with a vertical line and arrows pointing to the 'Results' column for Aroclor-1016, 1221, 1232, 1242, 1248, 1260, 1262, and 1268. A '5' is written next to the result for Aroclor-1254.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX2SB3-A (1-3ft)

Sampled: 5/14/2013 11:45

Sample ID: 13E0480-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1254 [1]	1.65	0.46	mg/Kg dry	20	P-04, V-24	SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1260 [1]	0.50	0.46	mg/Kg dry	20	P-02, V-24	SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 0:32	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	120	30-150						5/22/13 0:32	
Decachlorobiphenyl [2]	135	30-150						5/22/13 0:32	
Tetrachloro-m-xylene [1]	103	30-150						5/22/13 0:32	
Tetrachloro-m-xylene [2]	119	30-150						5/22/13 0:32	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX2SB3-A (5-7ft)

Sampled: 5/14/2013 11:50

Sample ID: 13E0480-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1254 [1]	0.23	0.14	mg/Kg dry	5	V-24	SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	5/15/13	5/22/13 19:36	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		86.3	30-150					5/22/13 19:36	
Decachlorobiphenyl [2]		92.4	30-150					5/22/13 19:36	
Tetrachloro-m-xylene [1]		93.5	30-150					5/22/13 19:36	
Tetrachloro-m-xylene [2]		102	30-150					5/22/13 19:36	

Handwritten notes: "u5" with a horizontal line, "u5" with a vertical line, and a downward arrow.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB3-B (1-3ft)

Sampled: 5/14/2013 12:15

Sample ID: 13E0480-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1254 [1]	14	2.2	mg/Kg dry	100	V-24	SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 19:48	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/22/13 19:48	
Decachlorobiphenyl [2]		*	30-150		S-01			5/22/13 19:48	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/22/13 19:48	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/22/13 19:48	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB3-B (5-7ft)

Sampled: 5/14/2013 12:20

Sample ID: 13E0480-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1221 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1232 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1242 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1248 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1254 [1]	1.4	0.61	mg/Kg dry	20	V-24	SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1260 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1262 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Aroclor-1268 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 1:10	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.7	30-150					5/22/13 1:10	
Decachlorobiphenyl [2]		107	30-150					5/22/13 1:10	
Tetrachloro-m-xylene [1]		101	30-150					5/22/13 1:10	
Tetrachloro-m-xylene [2]		116	30-150					5/22/13 1:10	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB4-B (3-5ft)

Sampled: 5/14/2013 13:20

Sample ID: 13E0480-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1221 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1232 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1242 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1248 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1254 [1]	4.3	0.66	mg/Kg dry	25	V-24	SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1260 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1262 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Aroclor-1268 [1]	ND	0.66	mg/Kg dry	25		SW-846 8082A	5/15/13	5/22/13 20:01	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		98.6	30-150					5/22/13 20:01	
Decachlorobiphenyl [2]		108	30-150					5/22/13 20:01	
Tetrachloro-m-xylene [1]		114	30-150					5/22/13 20:01	
Tetrachloro-m-xylene [2]		129	30-150					5/22/13 20:01	

Handwritten notes: "4.3" and "ND" with arrows pointing to the results for Aroclor-1254 and Aroclor-1260 respectively.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX1SB4-A (3-5ft)

Sampled: 5/14/2013 13:45

Sample ID: 13E0480-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1221 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1232 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1242 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1248 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1254 [1]	3600	520	mg/Kg dry	20000	V-24	SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1260 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1262 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Aroclor-1268 [1]	ND	520	mg/Kg dry	20000		SW-846 8082A	5/15/13	5/22/13 20:14	MJC
Surrogates		% Recovery		Recovery Limits	Flag				
Decachlorobiphenyl [1]		*		30-150	S-01			5/22/13 20:14	
Decachlorobiphenyl [2]		*		30-150	S-01			5/22/13 20:14	
Tetrachloro-m-xylene [1]		*		30-150	S-01			5/22/13 20:14	
Tetrachloro-m-xylene [2]		*		30-150	S-01			5/22/13 20:14	

Handwritten blue annotations: "45" with a checkmark, "3600" with a checkmark, and a downward arrow.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX2SB4-A (1-3ft)

Sampled: 5/14/2013 14:10

Sample ID: 13E0480-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1254 [1]	15	2.1	mg/Kg dry	100	V-24	SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1260 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	5/15/13	5/22/13 20:27	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/22/13 20:27	
Decachlorobiphenyl [2]		*	30-150		S-01			5/22/13 20:27	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/22/13 20:27	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/22/13 20:27	

Handwritten blue notes: "45" with an arrow pointing to the "Results" column for Aroclor-1248, and "45" with an arrow pointing to the "Results" column for Aroclor-1260.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX2SB4-A (5-7ft)

Sampled: 5/14/2013 14:15

Sample ID: 13E0480-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1221 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1232 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1242 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1248 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1254 [1]	3.5	0.57	mg/Kg dry	20	V-24	SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1260 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1262 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Aroclor-1268 [1]	ND	0.57	mg/Kg dry	20		SW-846 8082A	5/15/13	5/22/13 20:40	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	113		30-150					5/22/13 20:40	
Decachlorobiphenyl [2]	148		30-150					5/22/13 20:40	
Tetrachloro-m-xylene [1]	128		30-150					5/22/13 20:40	
Tetrachloro-m-xylene [2]	142		30-150					5/22/13 20:40	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
 Date Received: 5/14/2013
 Field Sample #: 102EX2SB8-A (5-7ft)
 Sample ID: 13E0480-15
 Sample Matrix: Soil

Sample Description:
 Sampled: 5/14/2013 14:35

Work Order: 13E0480

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1221 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1232 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1242 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1248 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1254 [1]	62	5.3	mg/Kg dry	200	V-24	SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1260 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1262 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Aroclor-1268 [1]	ND	5.3	mg/Kg dry	200		SW-846 8082A	5/15/13	5/22/13 20:53	MJC
Surrogates									
		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/22/13 20:53	
Decachlorobiphenyl [2]		*	30-150		S-01			5/22/13 20:53	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/22/13 20:53	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/22/13 20:53	

Handwritten blue ink notes: "WJ" and "J" with arrows pointing to the 'Results' column for Aroclor-1248 and Aroclor-1260.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0480

Date Received: 5/14/2013

Field Sample #: 102EX2SB13-A (5-7ft)

Sampled: 5/14/2013 15:05

Sample ID: 13E0480-16

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/15/13	5/21/13 23:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		99.8	30-150					5/21/13 23:00	
Decachlorobiphenyl [2]		96.3	30-150					5/21/13 23:00	
Tetrachloro-m-xylene [1]		120	30-150					5/21/13 23:00	
Tetrachloro-m-xylene [2]		119	30-150					5/21/13 23:00	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-B (3-5ft)

Sampled: 5/15/2013 08:35

Sample ID: 13E0539-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1254 [1]	1.4	0.48	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:24	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		63.2	30-150					5/22/13 22:24	
Decachlorobiphenyl [2]		65.4	30-150					5/22/13 22:24	
Tetrachloro-m-xylene [1]		54.1	30-150					5/22/13 22:24	
Tetrachloro-m-xylene [2]		60.3	30-150					5/22/13 22:24	

Handwritten blue notes: '45' with an arrow pointing to the 'ND' result for Aroclor-1248, and '45' with an arrow pointing to the 'ND' result for Aroclor-1260.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-B (5-7ft)

Sampled: 5/15/2013 08:40

Sample ID: 13E0539-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1254 [2]	18	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 11:35	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 11:35	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 11:35	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 11:35	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 11:35	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-B (7-9ft)

Sampled: 5/15/2013 08:45

Sample ID: 13E0539-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1221 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1232 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1242 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1248 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1254 [1]	3.7	0.79	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1260 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1262 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Aroclor-1268 [1]	ND	0.79	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 22:50	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		105	30-150					5/22/13 22:50	
Decachlorobiphenyl [2]		106	30-150					5/22/13 22:50	
Tetrachloro-m-xylene [1]		104	30-150					5/22/13 22:50	
Tetrachloro-m-xylene [2]		116	30-150					5/22/13 22:50	

Handwritten notes in blue ink: "45" with a checkmark, "3.7" with a checkmark, and "45" with a checkmark and a downward arrow.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-B (9-11ft)

Sampled: 5/15/2013 08:50

Sample ID: 13E0539-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1221 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1232 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1242 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1248 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1254 [2]	0.43	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1260 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1262 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Aroclor-1268 [1]	ND	0.36	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 11:47	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		104	30-150					5/23/13 11:47	
Decachlorobiphenyl [2]		102	30-150					5/23/13 11:47	
Tetrachloro-m-xylene [1]		112	30-150					5/23/13 11:47	
Tetrachloro-m-xylene [2]		109	30-150					5/23/13 11:47	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: DUP-1

Sampled: 5/15/2013 00:00

Sample ID: 13E0539-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1221 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1232 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1242 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1248 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1254 [1]	1.6	0.96	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1260 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1262 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC
Aroclor-1268 [1]	ND	0.96	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:15	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	117	30-150	
Decachlorobiphenyl [2]	124	30-150	
Tetrachloro-m-xylene [1]	123	30-150	
Tetrachloro-m-xylene [2]	136	30-150	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-A (3-5ft)

Sampled: 5/15/2013 09:10

Sample ID: 13E0539-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1254 [1]	1.4	0.54	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1260 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:28	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		82.9	30-150					5/22/13 23:28	
Decachlorobiphenyl [2]		89.9	30-150					5/22/13 23:28	
Tetrachloro-m-xylene [1]		90.3	30-150					5/22/13 23:28	
Tetrachloro-m-xylene [2]		101	30-150					5/22/13 23:28	

Handwritten blue notes: "45" with a horizontal line, "1.4" with a vertical line, and "ND" with a downward arrow.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-A (5-7ft)

Sampled: 5/15/2013 09:15

Sample ID: 13E0539-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1221 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1232 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1242 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1248 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1254 [1]	1.5	0.76	mg/Kg dry	20	P-04	SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1260 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1262 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Aroclor-1268 [1]	ND	0.76	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:41	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		97.3	30-150					5/22/13 23:41	
Decachlorobiphenyl [2]		102	30-150					5/22/13 23:41	
Tetrachloro-m-xylene [1]		107	30-150					5/22/13 23:41	
Tetrachloro-m-xylene [2]		118	30-150					5/22/13 23:41	

Handwritten notes in blue ink: "45" and "45" with arrows pointing to the "Results" column for Aroclor-1248 and Aroclor-1260 respectively.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-A (7-9ft)

Sampled: 5/15/2013 09:20

Sample ID: 13E0539-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1221 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1232 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1242 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1248 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1254 [1]	3.0	0.83	mg/Kg dry	20	P-04	SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1260 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1262 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Aroclor-1268 [1]	ND	0.83	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 23:54	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		142	30-150					5/22/13 23:54	
Decachlorobiphenyl [2]		158 *	30-150		S-12			5/22/13 23:54	
Tetrachloro-m-xylene [1]		117	30-150					5/22/13 23:54	
Tetrachloro-m-xylene [2]		128	30-150					5/22/13 23:54	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB1-A (9-11ft)

Sampled: 5/15/2013 09:25

Sample ID: 13E0539-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1254 [1]	1.3	1.2	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1260 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:07	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		98.3	30-150					5/23/13 0:07	
Decachlorobiphenyl [2]		106	30-150					5/23/13 0:07	
Tetrachloro-m-xylene [1]		85.0	30-150					5/23/13 0:07	
Tetrachloro-m-xylene [2]		94.1	30-150					5/23/13 0:07	

Handwritten notes in blue ink: "u5" with an arrow pointing to the result for Aroclor-1248, and "u5" with an arrow pointing to the result for Aroclor-1254.

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB3-B (3-5ft)

Sampled: 5/15/2013 09:45

Sample ID: 13E0539-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1254 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1260 [1]	1.1	0.50	mg/Kg dry	20	P-04	SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 0:46	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		111	30-150					5/23/13 0:46	
Decachlorobiphenyl [2]		114	30-150					5/23/13 0:46	
Tetrachloro-m-xylene [1]		106	30-150					5/23/13 0:46	
Tetrachloro-m-xylene [2]		117	30-150					5/23/13 0:46	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB3-B (5-7ft)

Sampled: 5/15/2013 09:56

Sample ID: 13E0539-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1254 [2]	15	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:00	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	5/23/13 12:00
Decachlorobiphenyl [2]	*	30-150	S-01	5/23/13 12:00
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/23/13 12:00
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/23/13 12:00

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB3-A (3-5ft)

Sampled: 5/15/2013 10.15

Sample ID: 13E0539-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1254 [1]	1.5	0.50	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1260 [1]	0.99	0.50	mg/Kg dry	20	P-02, P-04	SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:12	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150				5/23/13	1:12	
Decachlorobiphenyl [2]		117	30-150				5/23/13	1:12	
Tetrachloro-m-xylene [1]		101	30-150				5/23/13	1:12	
Tetrachloro-m-xylene [2]		108	30-150				5/23/13	1:12	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB3-A (5-7ft)

Sampled: 5/15/2013 10:20

Sample ID: 13E0539-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1221 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1232 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1242 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1248 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1254 [1]	7600	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1260 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1262 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Aroclor-1268 [1]	ND	2600	mg/Kg dry	100000		SW-846 8082A	5/17/13	5/23/13 15:06	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 15:06	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 15:06	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 15:06	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 15:06	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB3-A (7-9ft)

Sampled: 5/15/2013 10:25

Sample ID: 13E0539-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1221 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1232 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1242 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1248 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1254 [2]	21	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1260 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1262 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Aroclor-1268 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:25	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 12:25	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 12:25	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 12:25	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 12:25	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1014DSB3-A (9-12ft)

Sampled: 5/15/2013 10:30

Sample ID: 13E0539-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1248 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1254 [1]	1.7	0.51	mg/Kg dry	20	V-24	SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1260 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 1:50	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		91.5	30-150					5/23/13 1:50	
Decachlorobiphenyl [2]		97.9	30-150					5/23/13 1:50	
Tetrachloro-m-xylene [1]		99.6	30-150					5/23/13 1:50	
Tetrachloro-m-xylene [2]		109	30-150					5/23/13 1:50	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX2SB1-A (3-5ft)

Sampled: 5/15/2013 10:50

Sample ID: 13E0539-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1254 [2]	50	4.7	mg/Kg dry	200	O-03	SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1260 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 12:37	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 12:37	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 12:37	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 12:37	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 12:37	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX2SB5-A (5-7ft)

Sampled: 5/15/2013 11:20

Sample ID: 13E0539-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1254 [2]	14	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 12:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 12:49	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 12:49	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 12:49	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 12:49	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX2SB9-A (5-7ft)

Sampled: 5/15/2013 12:25

Sample ID: 13E0539-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1221 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1232 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1242 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1248 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1254 [2]	76	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1260 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1262 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Aroclor-1268 [1]	ND	9.9	mg/Kg dry	400		SW-846 8082A	5/17/13	5/23/13 13:02	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 13:02	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 13:02	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 13:02	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 13:02	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX2SB13-A (5-7ft)

Sampled: 5/15/2013 12:50

Sample ID: 13E0539-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1254 [1]	5.4	0.47	mg/Kg dry	20	O-03, V-24	SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	5/17/13	5/23/13 2:42	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		98.2	30-150					5/23/13 2:42	
Decachlorobiphenyl [2]		118	30-150					5/23/13 2:42	
Tetrachloro-m-xylene [1]		101	30-150					5/23/13 2:42	
Tetrachloro-m-xylene [2]		106	30-150					5/23/13 2:42	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1016ASBI-B (1-3ft)

Sampled: 5/15/2013 13:15

Sample ID: 13E0539-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1254 [2]	26	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 13:14	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			5/23/13 13:14	
Decachlorobiphenyl [2]	*		30-150		S-01			5/23/13 13:14	
Tetrachloro-m-xylene [1]	*		30-150		S-01			5/23/13 13:14	
Tetrachloro-m-xylene [2]	*		30-150		S-01			5/23/13 13:14	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 1016ASB1-A (1-3ft)

Sampled: 5/15/2013 13:45

Sample ID: 13E0539-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1254 [2]	40	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	5/17/13	5/23/13 14:04	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/23/13 14:04	
Decachlorobiphenyl [2]		*	30-150		S-01			5/23/13 14:04	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/23/13 14:04	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/23/13 14:04	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX2SB24-B (5-7ft)

Sampled: 5/15/2013 14:20

Sample ID: 13E0539-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1254 [2]	4.7	0.43	mg/Kg dry	20	O-03	SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:13	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	109		30-150			5/22/13 16:13			
Decachlorobiphenyl [2]	109		30-150			5/22/13 16:13			
Tetrachloro-m-xylene [1]	109		30-150			5/22/13 16:13			
Tetrachloro-m-xylene [2]	103		30-150			5/22/13 16:13			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX2SB24-A (5-7ft)

Sampled: 5/15/2013 14:55

Sample ID: 13E0539-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:16	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.9	30-150					5/23/13 14:16	
Decachlorobiphenyl [2]		98.0	30-150					5/23/13 14:16	
Tetrachloro-m-xylene [1]		92.0	30-150					5/23/13 14:16	
Tetrachloro-m-xylene [2]		83.2	30-150					5/23/13 14:16	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX1SB3-B (3-5ft)

Sampled: 5/15/2013 15:25

Sample ID: 13E0539-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1254 [1]	1.8	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 16:38	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	103		30-150			5/22/13 16:38			
Decachlorobiphenyl [2]	112		30-150			5/22/13 16:38			
Tetrachloro-m-xylene [1]	102		30-150			5/22/13 16:38			
Tetrachloro-m-xylene [2]	98.7		30-150			5/22/13 16:38			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX1SB3-A (3-5ft)

Sampled: 5/15/2013 16:05

Sample ID: 13E0539-25

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 14:28	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		90.8	30-150					5/23/13 14:28	
Decachlorobiphenyl [2]		102	30-150					5/23/13 14:28	
Tetrachloro-m-xylene [1]		94.5	30-150					5/23/13 14:28	
Tetrachloro-m-xylene [2]		92.2	30-150					5/23/13 14:28	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX1SB1-A (3-5ft)

Sampled: 5/15/2013 16:30

Sample ID: 13E0539-26

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1254 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1260 [1]	5.1	0.48	mg/Kg dry	20	O-03	SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:03	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	113		30-150					5/22/13 17:03	
Decachlorobiphenyl [2]	113		30-150					5/22/13 17:03	
Tetrachloro-m-xylene [1]	102		30-150					5/22/13 17:03	
Tetrachloro-m-xylene [2]	99.2		30-150					5/22/13 17:03	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX1SBI-A (5-7ft)

Sampled: 5/15/2013 16:35

Sample ID: 13E0539-27

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1254 [2]	14 J	2.5	mg/Kg dry	100	O-03	SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:41	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	•		30-150		S-01	5/23/13 14:41			
Decachlorobiphenyl [2]	•		30-150		S-01	5/23/13 14:41			
Tetrachloro-m-xylene [1]	•		30-150		S-01	5/23/13 14:41			
Tetrachloro-m-xylene [2]	•		30-150		S-01	5/23/13 14:41			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: 101EX1SB1-A (7-9ft)

Sampled: 5/15/2013 16:40

Sample ID: 13E0539-28

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1254 [1]	0.99	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	5/17/13	5/22/13 17:27	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	84.8		30-150			5/22/13 17:27			
Decachlorobiphenyl [2]	103		30-150			5/22/13 17:27			
Tetrachloro-m-xylene [1]	93.6		30-150			5/22/13 17:27			
Tetrachloro-m-xylene [2]	88.4		30-150			5/22/13 17:27			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0539

Date Received: 5/15/2013

Field Sample #: DUP-2

Sampled: 5/15/2013 00:00

Sample ID: 13E0539-29

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1221 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1232 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1242 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1248 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1254 [2]	9.0	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1260 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1262 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Aroclor-1268 [1]	ND	2.5	mg/Kg dry	100		SW-846 8082A	5/17/13	5/23/13 14:53	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	5/23/13 14:53			
Decachlorobiphenyl [2]	*		30-150		S-01	5/23/13 14:53			
Tetrachloro-m-xylene [1]	*		30-150		S-01	5/23/13 14:53			
Tetrachloro-m-xylene [2]	*		30-150		S-01	5/23/13 14:53			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0591

Date Received: 5/16/2013

Field Sample #: 1014DSB1 (prior) (11-13f)

Sampled: 5/16/2013 09:55

Sample ID: 13E0591-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1254 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	5		SW-846 8082A	5/17/13	5/23/13 13:51	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		105	30-150					5/23/13 13:51	
Decachlorobiphenyl [2]		105	30-150					5/23/13 13:51	
Tetrachloro-m-xylene [1]		113	30-150					5/23/13 13:51	
Tetrachloro-m-xylene [2]		113	30-150					5/23/13 13:51	

WJ
↓

Memorandum

To: David Sullivan
From: Elizabeth Denly
Date: June 10, 2013
Subject: PCB Aroclor Data Validation Review: New Bedford, MA: Soil Samples Collected May 2013

SUMMARY

Limited validation was performed on the data for 16 soil samples collected in New Bedford, Massachusetts. The soil samples were collected on May 14, 15, and 16, 2013.

Samples were submitted to Con-test Analytical Laboratory (Con-test) in East Longmeadow, Massachusetts for analysis. The samples were analyzed for polychlorinated biphenyls (PCBs) using SW-846 Method 8082A. Con-test reported the results under the job numbers listed in the Samples Section below.

The sample results were assessed using the *EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*, revised December 1996. Modification of these guidelines was performed to accommodate the non-CLP methodology.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

- Positive results for Aroclor 1254 in samples 102EX1SB1-B (7-9), 102EX1SB2-A (7-9), 102EX1SB4-A (5-7), 101EX2SB1-A (5-7), 101EX2SB5-A (3-5), 101EX2SB9-A (7-9), and 1014DSB3-B-1 (5-7) were qualified as estimated (J) due to the presence of altered PCB patterns.

SAMPLES

Samples included in this review are listed below:

13E0829

102EX1SB1-B-1 (5-7)

13E0831

102EX1SB1-A-2 (5-7)
102EX1SB2-A-2 (3-5)

102EX1SB4-B-1 (3-5)
102EX1SB2-A-2 (5-7)

102EX1SB4-A-1 (3-5)
102EX1SB2-A-1 (5-7)

102EX1SB2-B-1 (3-5)

13E0846

102EX1SB1-B (7-9)

102EX1SB2-A (7-9)

102EX1SB4-A (5-7)

102EX2SB8-A (7-9)

13E0848

101EX2SB1-A (5-7)

101EX2SB5-A (3-5)

101EX2SB9-A (7-9)

13E0850

1014DSB3-B-1 (5-7)

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with TRC requests
- Holding times and sample preservation
- Initial and continuing calibrations
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Quantitation limits and sample results
- Target compound identification

DISCUSSION

Agreement of Analyses Conducted with TRC Requests

All sample reports were checked to verify that the results corresponded to analytical requests as designated on the chain-of-custody and any correspondence between TRC and the laboratory. All criteria were met.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met for the soil samples.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) of all PCB Aroclors were within the acceptance criteria in all initial calibrations.

The percent differences (%Ds) of the PCB Aroclors were within the acceptance criteria in all continuing calibrations.

Method Blanks

Target compounds were not detected in the laboratory method blanks associated with the PCB Aroclor analyses.

Surrogate Spike Recoveries

All surrogate recoveries were within the acceptance criteria or not calculable due to significant dilutions performed. No validation actions are required on the basis of surrogate recoveries.

LCS Results

An LCS and LCS Duplicate were extracted and analyzed with each extraction batch. All recovery and relative percent difference (RPD) criteria were met.

MS/MSD Results

MS/MSD analyses were performed on the following samples: 102EX2SB8-A (7-9) and 102EX1SB2-A-1 (5-7). All percent recoveries and RPDs were within the acceptance criteria in the MS/MSD analyses performed on sample 102EX2SB8-A (7-9). Recoveries in the MS/MSD analyses performed on sample 102EX1SB2-A-1 (5-7) were not calculable (NC) due to elevated concentrations of Aroclor 1254 which interfered with the quantitation of the spiked Aroclors.

Quantitation Limits and Sample Results

All samples were analyzed at a minimum 5-fold dilution as part of the laboratory's normal analytical procedure. However, several samples were analyzed at higher dilutions due to the concentrations of PCB Aroclors which would have exceeded the calibration range if not diluted. Quantitation limits were elevated accordingly in each sample.

Target Compound Identification

All dual column RPDs for detected Aroclors were within the acceptance criteria.

The laboratory stated that samples 102EX1SB1-B (7-9), 102EX1SB2-A (7-9), 102EX1SB4-A (5-7), 101EX2SB1-A (5-7), 101EX2SB5-A (3-5), 101EX2SB9-A (7-9), and 1014DSB3-B-1 (5-7) contained two incompletely resolved Aroclors but were quantitated using the closest matching standard (Aroclor 1254). The positive results for Aroclor 1254 in these samples were qualified as estimated (J).

Qualified Form Is

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0829

Date Received: 5/23/2013

Field Sample #: 102EX1SB1-B-1 (5-7ft)

Sampled: 5/14/2013 15:55

Sample ID: 13E0829-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1221 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1232 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1242 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1248 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1254 [1]	400	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1260 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1262 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Aroclor-1268 [1]	ND	45	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:16	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/29/13 21:16	
Decachlorobiphenyl [2]		*	30-150		S-01			5/29/13 21:16	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/29/13 21:16	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/29/13 21:16	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB1-A-2 (5-7ft)

Sampled: 5/16/2013 13:10

Sample ID: 13E0831-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1221 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1232 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1242 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1248 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1254 [2]	3.9	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1260 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1262 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Aroclor-1268 [1]	ND	0.53	mg/Kg dry	20		SW-846 8082A	5/23/13	5/29/13 21:29	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		120	30-150					5/29/13 21:29	
Decachlorobiphenyl [2]		117	30-150					5/29/13 21:29	
Tetrachloro-m-xylene [1]		115	30-150					5/29/13 21:29	
Tetrachloro-m-xylene [2]		112	30-150					5/29/13 21:29	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB4-B-1 (3-5ft)

Sampled: 5/16/2013 13:30

Sample ID: 13E0831-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1221 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1232 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1242 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1248 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1254 [2]	6.9	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1260 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1262 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB
Aroclor-1268 [1]	ND	0.97	mg/Kg dry	40		SW-846 8082A	5/23/13	5/30/13 10:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	5/30/13 10:32
Decachlorobiphenyl [2]	*	30-150	S-01	5/30/13 10:32
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/30/13 10:32
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/30/13 10:32

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB4-A-1 (3-5ft)

Sampled: 5/16/2013 14:10

Sample ID: 13E0831-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1221 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1232 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1242 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1248 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1254 [2]	350	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1260 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1262 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Aroclor-1268 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 21:55	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	5/29/13 21:55			
Decachlorobiphenyl [2]	*		30-150		S-01	5/29/13 21:55			
Tetrachloro-m-xylene [1]	*		30-150		S-01	5/29/13 21:55			
Tetrachloro-m-xylene [2]	*		30-150		S-01	5/29/13 21:55			

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB2-B-1 (3-5ft)

Sampled: 5/16/2013 14:35

Sample ID: 13E0831-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1221 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1232 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1242 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1248 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1254 [1]	770	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1260 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1262 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Aroclor-1268 [1]	ND	98	mg/Kg dry	4000		SW-846 8082A	5/23/13	5/29/13 22:08	JMB
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				5/29/13 22:08
Decachlorobiphenyl [2]	*		30-150		S-01				5/29/13 22:08
Tetrachloro-m-xylene [1]	*		30-150		S-01				5/29/13 22:08
Tetrachloro-m-xylene [2]	*		30-150		S-01				5/29/13 22:08

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB2-A-2 (3-5ft)

Sampled: 5/16/2013 15:05

Sample ID: 13E0831-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1221 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1232 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1242 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1248 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1254 [1]	550	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1260 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1262 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB
Aroclor-1268 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	5/29/13 22:21
Decachlorobiphenyl [2]	*	30-150	S-01	5/29/13 22:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/29/13 22:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/29/13 22:21

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB2-A-2 (S-7ft)

Sampled: 5/16/2013 15:10

Sample ID: 13E0831-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1221 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1232 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1242 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1248 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1254 [1]	360	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1260 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1262 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Aroclor-1268 [1]	ND	56	mg/Kg dry	2000		SW-846 8082A	5/23/13	5/29/13 22:34	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/29/13 22:34	
Decachlorobiphenyl [2]		*	30-150		S-01			5/29/13 22:34	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/29/13 22:34	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/29/13 22:34	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0831

Date Received: 5/23/2013

Field Sample #: 102EX1SB2-A-1 (5-7ft)

Sampled: 5/16/2013 15:35

Sample ID: 13E0831-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1221 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1232 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1242 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1248 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1254 [2]	11000	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1260 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1262 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB
Aroclor-1268 [1]	ND	1400	mg/Kg dry	50000		SW-846 8082A	5/23/13	5/30/13 10:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time
Decachlorobiphenyl [1]	*	30-150	S-01	5/30/13 10:45
Decachlorobiphenyl [2]	*	30-150	S-01	5/30/13 10:45
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/30/13 10:45
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/30/13 10:45

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0846

Date Received: 5/24/2013

Field Sample #: 102EX1SBI-B (7-9ft)

Sampled: 5/14/2013 09:20

Sample ID: 13E0846-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1221 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1232 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1242 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1248 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1254 [2]	1800	230	mg/Kg dry	5000	O-03	SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1260 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1262 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC
Aroclor-1268 [1]	ND	230	mg/Kg dry	5000		SW-846 8082A	5/24/13	5/29/13 16:09	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	5/29/13 16:09
Decachlorobiphenyl [2]	*	30-150	S-01	5/29/13 16:09
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/29/13 16:09
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/29/13 16:09

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0846

Date Received: 5/24/2013

Field Sample #: 102EX1SB2-A (7-9ft)

Sampled: 5/14/2013 09:45

Sample ID: 13E0846-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1221 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1232 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1242 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1248 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1254 [2]	320	47	mg/Kg dry	2000	O-03	SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1260 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1262 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC
Aroclor-1268 [1]	ND	47	mg/Kg dry	2000		SW-846 8082A	5/24/13	5/29/13 16:21	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date	Date/Time	Analyst
Decachlorobiphenyl [1]	*	30-150	S-01	5/29/13	16:21	
Decachlorobiphenyl [2]	*	30-150	S-01	5/29/13	16:21	
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/29/13	16:21	
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/29/13	16:21	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0846

Date Received: 5/24/2013

Field Sample #: 102EX1SB4-A (5-7ft)

Sampled: 5/14/2013 13:50

Sample ID: 13E0846-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1254 [2]	6.2	0.55	mg/Kg dry	20	O-03	SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1260 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	5/24/13	5/29/13 13:40	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	106	30-150		5/29/13 13:40
Decachlorobiphenyl [2]	93.3	30-150		5/29/13 13:40
Tetrachloro-m-xylene [1]	87.4	30-150		5/29/13 13:40
Tetrachloro-m-xylene [2]	85.9	30-150		5/29/13 13:40

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0846

Date Received: 5/24/2013

Field Sample #: 102EX2SB8-A (7-9ft)

Sampled: 5/14/2013 14:40

Sample ID: 13E0846-04

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/24/13	5/29/13 16:34	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	81.0	30-150		5/29/13 16:34
Decachlorobiphenyl [2]	80.1	30-150		5/29/13 16:34
Tetrachloro-m-xylene [1]	81.4	30-150		5/29/13 16:34
Tetrachloro-m-xylene [2]	81.6	30-150		5/29/13 16:34

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0848

Date Received: 5/24/2013

Field Sample #: 101EX2SB1-A (5-7ft)

Sampled: 5/15/2013 10:55

Sample ID: 13E0848-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1254 [2]	13	2.6	mg/Kg dry	100	O-03	SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	5/24/13	5/29/13 16:46	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date	Date/Time
Decachlorobiphenyl [1]	*	30-150	S-01	5/29/13	16:46
Decachlorobiphenyl [2]	*	30-150	S-01	5/29/13	16:46
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/29/13	16:46
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/29/13	16:46

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0848

Date Received: 5/24/2013

Field Sample #: 101EX2SB5-A (3-5ft)

Sampled: 5/15/2013 11:15

Sample ID: 13E0848-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1254 [2]	10	1.8	mg/Kg dry	80	O-03	SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 16:59	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/29/13 16:59	
Decachlorobiphenyl [2]		*	30-150		S-01			5/29/13 16:59	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/29/13 16:59	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/29/13 16:59	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0848

Date Received: 5/24/2013

Field Sample #: 101EX2SB9-A (7-9ft)

Sampled: 5/15/2013 12:30

Sample ID: 13E0848-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1221 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1232 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1242 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1248 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1254 [2]	13	2.9	mg/Kg dry	80	O-03	SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1260 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1262 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Aroclor-1268 [1]	ND	2.9	mg/Kg dry	80		SW-846 8082A	5/24/13	5/29/13 17:11	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			5/29/13 17:11	
Decachlorobiphenyl [2]		*	30-150		S-01			5/29/13 17:11	
Tetrachloro-m-xylene [1]		*	30-150		S-01			5/29/13 17:11	
Tetrachloro-m-xylene [2]		*	30-150		S-01			5/29/13 17:11	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0850

Date Received: 5/24/2013

Field Sample #: 1014DSB3-B-1 (5-7ft)

Sampled: 5/16/2013 09:40

Sample ID: 13E0850-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1221 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1232 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1242 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1248 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1254 [2]	24 J	5.2	mg/Kg dry	200	O-03	SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1260 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1262 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC
Aroclor-1268 [1]	ND	5.2	mg/Kg dry	200		SW-846 8082A	5/24/13	5/29/13 17:23	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	5/29/13 17:23
Decachlorobiphenyl [2]	*	30-150	S-01	5/29/13 17:23
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/29/13 17:23
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/29/13 17:23

Memorandum

To: David Sullivan
From: Elizabeth Denly
Date: June 14, 2013
Subject: PCB Aroclor Data Validation Review: New Bedford, MA: Soil Samples Collected May 2013

SUMMARY

Limited validation was performed on the data for nine soil samples collected in New Bedford, Massachusetts. The soil samples were collected on May 14 and 16, 2013.

Samples were submitted to Con-test Analytical Laboratory (Con-test) in East Longmeadow, Massachusetts for analysis. The samples were analyzed for polychlorinated biphenyls (PCBs) using SW-846 Method 8082A. Con-test reported the results under the job numbers listed in the Samples Section below.

The sample results were assessed using the *EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*, revised December 1996. Modification of these guidelines was performed to accommodate the non-CLP methodology.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

- The positive and nondetect results for Aroclors 1248, 1254, 1260, 1262 and 1268 in samples 102EX1SB4-A-1 (5-7) and 102EX1SB2-B-1 (5-7) were qualified as estimated (J/UJ) due to calibration nonconformances.
- The positive result for Aroclor 1254 in sample 1014DSB3-B-1 (7-9) was qualified as estimated (J) due to the presence of altered PCB patterns.

SAMPLES

Samples included in this review are listed below:

13E0847

102EX1SB2-A (9-11)

13F0011

102EX1SB1-B-1 (7-9)

13F0017

1014SD3-B-1 (7-9)
102EX1SB2-A-2 (7-9)

102EX1SB4-A-1 (5-7)
102EX1SB2-A-1 (7-9)

102EX1SB2-B-1 (5-7)

13F0040

102EX1SB1-B (9-11)

13F0108

102EX1SB1-A-2 (7-9)

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with TRC requests
- Holding times and sample preservation
- Initial and continuing calibrations
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Quantitation limits and sample results
- Target compound identification

DISCUSSION

Agreement of Analyses Conducted with TRC Requests

All sample reports were checked to verify that the results corresponded to analytical requests as designated on the chain-of-custody and any correspondence between TRC and the laboratory. All criteria were met.

Holding Times and Sample Preservation

All sample preservation criteria were met for the soil samples. All samples were extracted within the holding time prescribed in SW-846 method 8082A as well as the Massachusetts Department of Environmental Protection Compendium of Analytical Methods protocol WSC-CAM-VA. However, samples 102EX1SB1-B-1 (7-9), 1014SD3-B-1 (7-9), 102EX1SB4-A-1 (5-7), 102EX1SB2-B-1 (5-7), 102EX1SB2-A-2 (7-9), 102EX1SB2-A-1 (7-9), 102EX1SB1-B (9-11), and 102EX1SB1-A-2 (7-9) were extracted 4 to 6 days outside of the TSCA-prescribed 14-day extraction holding time. Due to the stable nature of PCBs as well as the longer holding time allowed by other protocols, qualification of the data was not performed.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) of all PCB Aroclors were within the acceptance criteria in all initial calibrations.

The percent differences (%Ds) of select peaks in PCB Aroclors were outside of the acceptance criteria in several continuing calibrations. The positive and nondetect results for Aroclors 1248, 1254, 1260,

1262 and 1268 in samples 102EX1SB4-A-1 (5-7) and 102EX1SB2-B-1 (5-7) were qualified as estimated (J/UJ) due to the %D nonconformances. In the other cases, the average %D for the five peaks was within the acceptance criteria; qualification of the data was therefore not required on the basis of these %Ds.

The following table summarizes the standards, Aroclors and samples affected.

Standard	Aroclor/peak (%D)	Affected Samples
Co605039	1260-peak 3/column 1 (21.4) 1260-peak 5/column 1 (20.6) 1260-peak 1/column 2 (21.4)	102EX1SB2-A (9-11)
Eo604020	1260-peak 1/column 2 (21.6) 1260-peak 2/column 2 (27.7) 1260-peak 4/column 2 (24.9) 1260-peak 5/column 2 (20.4)	102EX1SB4-A-1 (5-7), 102EX1SB2-B-1 (5-7)
Eo604037	1016-peak 3/column 1 (21.4) 1016-peak 4/column 1 (20.6)	

Method Blanks

Target compounds were not detected in the laboratory method blanks associated with the PCB Aroclor analyses.

Surrogate Spike Recoveries

All surrogate recoveries were within the acceptance criteria or not calculable due to significant dilutions performed. No validation actions are required on the basis of surrogate recoveries.

LCS Results

An LCS and LCS Duplicate were extracted and analyzed with each extraction batch. The percent recovery of Aroclor 1260 (144) was slightly outside of the acceptance criteria on column 2 of one LCS. Since the recoveries were acceptable on column 1 and in the associated LCS Duplicate, qualification of data in the samples associated with this LCS was not required.

MS/MSD Results

MS/MSD analyses were performed on the following samples: 102EX1SB1-A-2 (7-9) and 1014SDB3-B-1 (7-9). Recoveries in the MS/MSD analyses performed on sample 1014SDB3-B-1 (7-9) were not calculable (NC) due to elevated concentrations of Aroclor 1254 which interfered with the quantitation of the spiked Aroclors. The percent recoveries of Aroclor 1260 (152/144) on column 2 were outside of the acceptance criteria in the MS/MSD analyses performed on sample 102EX1SB1-A-2 (7-9). Qualification of the data on the basis of the MS/MSD results was not required.

Quantitation Limits and Sample Results

All samples were analyzed at a minimum 5-fold dilution as part of the laboratory's normal analytical procedure. However, several samples were analyzed at higher dilutions due to the concentrations of PCB Aroclors which would have exceeded the calibration range if not diluted. Quantitation limits were elevated accordingly in each sample.

Target Compound Identification

All dual column relative percent differences (RPDs) for detected Aroclors were within the acceptance criteria.

The laboratory stated that sample 1014DSB3-B-1 (7-9) contained two incompletely resolved Aroclors but were quantitated using the closest matching standard (Aroclor 1254). The positive result for Aroclor 1254 in this sample was qualified as estimated (J).

Qualified Form Is

Project Location: New Bedford, MA

Sample Description:

Work Order: 13E0847

Date Received: 5/24/2013

Field Sample #: 102EX1SB2-A (9-11ft)

Sampled: 5/14/2013 09:50

Sample ID: 13E0847-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1221 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1232 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1242 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1248 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1254 [2]	290	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1260 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1262 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Aroclor-1268 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	5/24/13	6/5/13 18:31	PJG
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			6/5/13 18:31	
Decachlorobiphenyl [2]	*	30-150			S-01			6/5/13 18:31	
Tetrachloro-m-xylene [1]	*	30-150			S-01			6/5/13 18:31	
Tetrachloro-m-xylene [2]	*	30-150			S-01			6/5/13 18:31	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0011

Date Received: 6/3/2013

Field Sample #: 102EX1SB1-B-1 (7-9ft)

Sampled: 5/14/2013 16:00

Sample ID: 13F0011-01

Sample Matrix: Soil

Sample Flags: H-10

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1221 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1232 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1242 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1248 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1254 [2]	400	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1260 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1262 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Aroclor-1268 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/3/13	6/5/13 14:16	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/5/13 14:16	
Decachlorobiphenyl [2]		*	30-150		S-01			6/5/13 14:16	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/5/13 14:16	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/5/13 14:16	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0017

Date Received: 6/3/2013

Field Sample #: 1014DSB3-B-1 (7-9ft)

Sampled: 5/16/2013 09:45

Sample ID: 13F0017-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1221 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1232 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1242 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1248 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1254 [2]	26 J	4.1	mg/Kg dry	100	O-03	SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1260 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1262 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Aroclor-1268 [1]	ND	4.1	mg/Kg dry	100		SW-846 8082A	6/3/13	6/5/13 14:29	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			6/5/13 14:29	
Decachlorobiphenyl [2]	*	30-150			S-01			6/5/13 14:29	
Tetrachloro-m-xylene [1]	*	30-150			S-01			6/5/13 14:29	
Tetrachloro-m-xylene [2]	*	30-150			S-01			6/5/13 14:29	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0017

Date Received: 6/3/2013

Field Sample #: 102EX1SB4-A-1 (5-7ft)

Sampled: 5/16/2013 14:15

Sample ID: 13F0017-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1254 [1]	1.4	0.55	mg/Kg dry	20	P-04	SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1260 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:40	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		81.3	30-150					6/4/13 19:40	
Decachlorobiphenyl [2]		87.1	30-150					6/4/13 19:40	
Tetrachloro-m-xylene [1]		82.9	30-150					6/4/13 19:40	
Tetrachloro-m-xylene [2]		86.4	30-150					6/4/13 19:40	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0017

Date Received: 6/3/2013

Field Sample #: 102EX1SB2-B-1 (5-7ft)

Sampled: 5/16/2013 14:40

Sample ID: 13F0017-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1248 [1]	ND <i>uv</i>	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1254 [1]	0.59 <i>uv</i>	0.55	mg/Kg dry	20	P-04	SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1260 [1]	ND <i>uv</i>	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	20		SW-846 8082A	6/3/13	6/4/13 19:53	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	100	30-150	6/4/13 19:53
Decachlorobiphenyl [2]	107	30-150	6/4/13 19:53
Tetrachloro-m-xylene [1]	109	30-150	6/4/13 19:53
Tetrachloro-m-xylene [2]	122	30-150	6/4/13 19:53



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0017

Date Received: 6/3/2013

Field Sample #: 102EX1SB2-A-2 (7-9ft)

Sampled: 5/16/2013 15:15

Sample ID: 13F0017-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1254 [1]	0.39	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	6/3/13	6/5/13 14:41	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	103		30-150			6/5/13 14:41			
Decachlorobiphenyl [2]	97.2		30-150			6/5/13 14:41			
Tetrachloro-m-xylene [1]	104		30-150			6/5/13 14:41			
Tetrachloro-m-xylene [2]	93.8		30-150			6/5/13 14:41			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0017

Date Received: 6/3/2013

Field Sample #: 102EX1SB2-A-1 (7-9ft)

Sampled: 5/16/2013 15:40

Sample ID: 13F0017-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1221 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1232 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1242 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1248 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1254 [2]	1700	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1260 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1262 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Aroclor-1268 [1]	ND	470	mg/Kg dry	20000		SW-846 8082A	6/3/13	6/6/13 8:56	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			6/6/13 8:56	
Decachlorobiphenyl [2]	*	30-150			S-01			6/6/13 8:56	
Tetrachloro-m-xylene [1]	*	30-150			S-01			6/6/13 8:56	
Tetrachloro-m-xylene [2]	*	30-150			S-01			6/6/13 8:56	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0040

Date Received: 6/3/2013

Field Sample #: 10ZEX1SB1-B (9-11ft)

Sampled: 5/14/2013 09:25

Sample ID: 13F0040-01

Sample Matrix: Soil

Sample Flags: 11-10

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1221 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1232 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1242 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1248 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1254 [2]	720	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1260 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1262 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Aroclor-1268 [1]	ND	200	mg/Kg dry	10000		SW-846 8082A	6/3/13	6/6/13 9:08	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/6/13 9:08	
Decachlorobiphenyl [2]		*	30-150		S-01			6/6/13 9:08	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/6/13 9:08	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/6/13 9:08	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13F0108

Date Received: 6/4/2013

Field Sample #: 102EX1SBI-A-2 (7-9ft)

Sampled: 5/16/2013 13:15

Sample ID: 13F0108-01

Sample Matrix: Soil

Sample Flags: H-10

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/5/13	6/6/13 14:38	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		101	30-150					6/6/13 14:38	
Decachlorobiphenyl [2]		95.5	30-150					6/6/13 14:38	
Tetrachloro-m-xylene [1]		98.3	30-150					6/6/13 14:38	
Tetrachloro-m-xylene [2]		100	30-150					6/6/13 14:38	

Memorandum

To: David Sullivan
From: Elizabeth Denly
Date: July 30, 2013
Subject: PCB Aroclor Data Validation Review: New Bedford, MA: Soil Samples Collected June 2013

SUMMARY

Limited validation was performed on the data for 43 soil samples collected in New Bedford, Massachusetts. The soil samples were collected on June 19, 2013.

Samples were submitted to Con-test Analytical Laboratory (Con-test) in East Longmeadow, Massachusetts for analysis. The samples were analyzed for polychlorinated biphenyls (PCBs) using SW-846 Method 8082A. Con-test reported the results under the job numbers 13F0676 and 13F0973.

The sample results were assessed using the *EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses*, revised December 1996. Modification of these guidelines was performed to accommodate the non-CLP methodology.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

- The positive results for Aroclor 1260 in samples 102EX1SB2-A (13-15), 102EX1SB1B-1 (11-13), DUP-01, 102EX1SB1B-1A (7-9), 102EX1SB1B-1A (9-11), 102EX1SB2A-1C (5-7), and 102EX1SB2A-1B (5-7): were qualified as estimated (J) due to dual column variability.
- The positive results for Aroclor 1254 in samples 102EX1SB1B-1B (5-7) and DUP-02 were qualified as estimated (J) due to field duplicate variability.

SAMPLES

Samples included in this review are listed below:

13F0676

102EX1SB2-A (13-15)	102EX1SB1B-1 (11-13)	DUP-01 ¹
102EX1SB1B-1A (5-7)	102EX1SB1B-1A (7-9)	102EX1SB1B-1A (9-11)
102EX1SB1B-1B (5-7)	102EX1SB1B-1B (7-9)	102EX1SB1B-1B (9-11)
102EX1SB2A-1A (5-7)	102EX1SB2A-1A (7-9)	102EX1SB2A-1C (5-7)
102EX1SB2A-1C (7-9)	1014DSB3-A1 (5-7)	1014DSB3-A1 (7-9)
101EX2SB9-A1 (5-7)	102EX1SB2A-1B (5-7)	102EX1SB2A-1B (7-9)
102EX1SB2A-2A (3-5)	102EX1SB2A-2A (5-7)	DUP-02 ²
102EX1SB4A-1A (3-5)	102EX1SB2B-1A (3-5)	

¹Field duplicate of 102EX1SB1B-1 (11-13)

²Field duplicate of 102EX1SB1B-1B (5-7)

13F0973

102EX1SB2-A (15-17)	102EX1SB1B-1A (11-13)	102EX1SB1B-1A1 (5-7)
102EX1SB1B-1A1 (7-9)	102EX1SB1B-1A1 (9-11)	102EX1SB1B-1A2 (5-7)
102EX1SB1B-1A2 (7-9)	102EX1SB1B-1A2 (9-11)	102EX1SB2A-1A1 (5-7)
102EX1SB2A-1A1 (7-9)	102EX1SB2A-1A (9-11)	102EX1SB2A-1C (9-11)
1014DSB3-A1 (9-11)	101EX2SB9-A1 (7-9)	1014DSB3-A1A (5-7)
1014DSB3-A1A (7-9)	102EX1SB2A-1B (9-11)	102EX1SB2A-1C1 (5-7)
102EX1SB2A-1C1 (7-9)	102EX1SB2A-2A (11-13)	

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with TRC requests
- Holding times and sample preservation
- Initial and continuing calibrations
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Field duplicate results
- Quantitation limits and sample results
- Target compound identification

DISCUSSION

Agreement of Analyses Conducted with TRC Requests

All sample reports were checked to verify that the results corresponded to analytical requests as designated on the chain-of-custody and any correspondence between TRC and the laboratory. All criteria were met.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met for the soil samples.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) of all PCB Aroclors were within the acceptance criteria in all initial calibrations.

The percent differences (%Ds) of all PCB Aroclors were within the acceptance criteria in all continuing calibrations.

Method Blanks

Aroclor 1254 was detected in the method blank associated with samples 102EX1SB2-A (13-15), 102EX1SB1B-1 (11-13), DUP-01 and 102EX1SB1B-1A (5-7). Qualification of the data was not

required as the concentrations of Aroclor 1254 in the associated samples were greater than 5x the blank concentration (0.053 mg/kg).

Surrogate Spike Recoveries

All surrogate recoveries were within the acceptance criteria or not calculable due to significant dilutions performed. No validation actions are required on the basis of surrogate recoveries.

LCS Results

An LCS and LCS Duplicate were extracted and analyzed with each extraction batch. The percent recoveries and relative percent differences (RPDs) of Aroclors 1016 and 1260 were within the acceptance criteria in all LCS analyses.

MS/MSD Results

MS/MSD analyses were performed on the following samples: 102EX1SB1B-1B (5-7), 102EX1SB1B-1 (11-13) and 102EX1SB2-A (15-17). Recoveries in these MS/MSD analyses were not calculable (NC) due to elevated concentrations of Aroclor 1254 which interfered with the quantitation of the spiked Aroclors. Qualification of the data on the basis of the MS/MSD results was not required.

Field Duplicate Results

Samples 102EX1SB1B-1 (11-13)/DUP-01 and 102EX1SB1B-1B (5-7)/DUP-02 were submitted as the field duplicate pairs with this sample set. The following tables summarize the RPDs of the detected Aroclors in the field duplicate pairs. The RPD for Aroclor 1254 in field duplicate pair 102EX1SB1B-1B (5-7)/DUP-02 was outside of the acceptance criteria. The positive results for Aroclor 1254 in these samples were qualified as estimated (J).

Aroclor	102EX1SB1B-1 (11-13) (mg/kg)	DUP-01 (mg/kg)	RPD (%)
Aroclor 1254	4.9	4.9	0
Aroclor 1260	0.57	0.56	1.8

Aroclor	102EX1SB1B-1B (5-7) (mg/kg)	DUP-02 (mg/kg)	RPD (%)
Aroclor 1254	19	130	149

Quantitation Limits and Sample Results

All samples were analyzed at a minimum 5-fold dilution as part of the laboratory's normal analytical procedure. However, several samples were analyzed at higher dilutions due to the concentrations of PCB Aroclors which would have exceeded the calibration range if not diluted. Quantitation limits were elevated accordingly in each sample.

Target Compound Identification

All dual column RPDs for detected Aroclors were within the acceptance criteria with the following exceptions:

- 102EX1SB2-A (13-15): Aroclor 1260 (49.1)
 - 102EX1SB1B-1 (11-13): Aroclor 1260 (51.9)
 - DUP-01: Aroclor 1260 (54.8)
 - 102EX1SB1B-1A (7-9): Aroclor 1260 (47)
 - 102EX1SB1B-1A (9-11): Aroclor 1260 (48.7)
 - 102EX1SB2A-1C (5-7): Aroclor 1260 (49.9)
 - 102EX1SB2A-1B (5-7): Aroclor 1260 (50.7)
-

The positive results for Aroclor 1260 in the above-listed samples were qualified as estimated (J).

Qualified Form Is



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2-A (13-15ft)

Sampled: 6/19/2013 08:33

Sample ID: 13F0676-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1221 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1232 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1242 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1248 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1254 [1]	450	42	mg/Kg dry	2000	B-07, B	SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1260 [2]	55 J	42	mg/Kg dry	2000	P-01	SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1262 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Aroclor-1268 [1]	ND	42	mg/Kg dry	2000		SW-846 8082A	6/20/13	6/26/13 9:49	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/26/13 9:49	
Decachlorobiphenyl [2]		*	30-150		S-01			6/26/13 9:49	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/26/13 9:49	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/26/13 9:49	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1 (11-13ft)

Sampled: 6/19/2013 09:10

Sample ID: 13F0676-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1254 [1]	4.9	0.46	mg/Kg dry	20	B-07, B	SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1260 [2]	0.57	0.46	mg/Kg dry	20	P-01	SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:30	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	90.7		30-150			6/25/13 22:30			
Decachlorobiphenyl [2]	86.8		30-150			6/25/13 22:30			
Tetrachloro-m-xylene [1]	87.9		30-150			6/25/13 22:30			
Tetrachloro-m-xylene [2]	90.6		30-150			6/25/13 22:30			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: Dup-01

Sampled: 6/19/2013 10:10

Sample ID: 13F0676-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1254 [1]	4.9	0.42	mg/Kg dry	20	B-07, B	SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1260 [2]	0.56	0.42	mg/Kg dry	20	P-01	SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 22:43	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	88.1		30-150			6/25/13 22:43			
Decachlorobiphenyl [2]	85.5		30-150			6/25/13 22:43			
Tetrachloro-m-xylene [1]	85.7		30-150			6/25/13 22:43			
Tetrachloro-m-xylene [2]	88.5		30-150			6/25/13 22:43			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1A (5-7ft)

Sampled: 6/19/2013 09:45

Sample ID: 13F0676-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1221 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1232 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1242 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1248 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1254 [1]	33000	6400	mg/Kg dry	250000	B-07, B	SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1260 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1262 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Aroclor-1268 [1]	ND	6400	mg/Kg dry	250000		SW-846 8082A	6/20/13	6/26/13 12:11	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			6/26/13 12:11	
Decachlorobiphenyl [2]	*	30-150			S-01			6/26/13 12:11	
Tetrachloro-m-xylene [1]	*	30-150			S-01			6/26/13 12:11	
Tetrachloro-m-xylene [2]	*	30-150			S-01			6/26/13 12:11	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1A (7-9ft)

Sampled: 6/19/2013 09:47

Sample ID: 13F0676-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1221 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1232 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1242 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1248 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1254 [1]	1000	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1260 [2]	120	100	mg/Kg dry	4000	P-01	SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1262 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Aroclor-1268 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:37	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	6/25/13 18:37			
Decachlorobiphenyl [2]	*		30-150		S-01	6/25/13 18:37			
Tetrachloro-m-xylene [1]	*		30-150		S-01	6/25/13 18:37			
Tetrachloro-m-xylene [2]	*		30-150		S-01	6/25/13 18:37			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1A (9-11ft)

Sampled: 6/19/2013 09:50

Sample ID: 13F0676-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1221 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1232 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1242 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1248 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1254 [1]	760	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1260 [2]	93	86	mg/Kg dry	4000	P-01	SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1262 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Aroclor-1268 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 18:50	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	•		30-150		S-01	6/25/13 18:50			
Decachlorobiphenyl [2]	•		30-150		S-01	6/25/13 18:50			
Tetrachloro-m-xylene [1]	•		30-150		S-01	6/25/13 18:50			
Tetrachloro-m-xylene [2]	•		30-150		S-01	6/25/13 18:50			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1B (5-7ft)

Sampled: 6/19/2013 11:20

Sample ID: 13F0676-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1221 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1232 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1242 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1248 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1254 [1]	19 J	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1260 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1262 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Aroclor-1268 [1]	ND	3.0	mg/Kg dry	100		SW-846 8082A	6/20/13	6/25/13 18:24	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/25/13 18:24	
Decachlorobiphenyl [2]		*	30-150		S-01			6/25/13 18:24	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/25/13 18:24	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/25/13 18:24	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1B (7-9ft)

Sampled: 6/19/2013 11.22

Sample ID: 13F0676-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1254 [2]	0.59	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 18:11	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		88.0	30-150					6/25/13 18:11	
Decachlorobiphenyl [2]		88.0	30-150					6/25/13 18:11	
Tetrachloro-m-xylene [1]		92.2	30-150					6/25/13 18:11	
Tetrachloro-m-xylene [2]		93.6	30-150					6/25/13 18:11	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB1B-1B (9-11ft)

Sampled: 6/19/2013 11.25

Sample ID: 13F0676-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1254 [1]	0.25	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/20/13	6/25/13 17:58	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	67.2		30-150			6/25/13 17:58			
Decachlorobiphenyl [2]	77.6		30-150			6/25/13 17:58			
Tetrachloro-m-xylene [1]	83.2		30-150			6/25/13 17:58			
Tetrachloro-m-xylene [2]	83.7		30-150			6/25/13 17:58			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-1A (5-7ft)

Sampled: 6/19/2013 12:30

Sample ID: 13F0676-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1221 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1232 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1242 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1248 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1254 [1]	2900	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1260 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1262 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Aroclor-1268 [1]	ND	550	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:10	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			6/26/13 9:10	
Decachlorobiphenyl [2]	*	30-150			S-01			6/26/13 9:10	
Tetrachloro-m-xylene [1]	*	30-150			S-01			6/26/13 9:10	
Tetrachloro-m-xylene [2]	*	30-150			S-01			6/26/13 9:10	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-1A (7-9ft)

Sampled: 6/19/2013 12.32

Sample ID: 13F0676-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1221 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1232 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1242 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1248 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1254 [1]	2300	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1260 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1262 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC
Aroclor-1268 [1]	ND	580	mg/Kg dry	20000		SW-846 8082A	6/20/13	6/26/13 9:23	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	6/26/13 9:23
Decachlorobiphenyl [2]	*	30-150	S-01	6/26/13 9:23
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/26/13 9:23
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/26/13 9:23



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-1C (5-7ft)

Sampled: 6/19/2013 13:35

Sample ID: 13F0676-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1221 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1232 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1242 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1248 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1254 [1]	15000	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1260 [2]	1800	1200	mg/Kg dry	50000	P-01	SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1262 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC
Aroclor-1268 [1]	ND	1200	mg/Kg dry	50000		SW-846 8082A	6/20/13	6/25/13 19:29	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	*	30-150	S-01
Decachlorobiphenyl [2]	*	30-150	S-01
Tetrachloro-m-xylene [1]	*	30-150	S-01
Tetrachloro-m-xylene [2]	*	30-150	S-01



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-1C (7-9ft)

Sampled: 6/19/2013 13:37

Sample ID: 13F0676-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1221 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1232 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1242 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1248 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1254 [1]	480	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1260 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1262 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC
Aroclor-1268 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	6/20/13	6/25/13 19:42	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	6/25/13 19:42
Decachlorobiphenyl [2]	*	30-150	S-01	6/25/13 19:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/25/13 19:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/25/13 19:42



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 1014DSB3-A1 (5-7ft)

Sampled: 6/19/2013 12:25

Sample ID: 13F0676-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1221 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1232 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1242 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1248 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1254 [1]	140	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1260 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1262 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Aroclor-1268 [1]	ND	25	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 19:55	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/25/13 19:55	
Decachlorobiphenyl [2]		*	30-150		S-01			6/25/13 19:55	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/25/13 19:55	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/25/13 19:55	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 1014DSB3-A1 (7-9ft)

Sampled: 6/19/2013 12:28

Sample ID: 13F0676-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1221 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1232 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1242 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1248 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1254 [1]	81	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1260 [2]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1262 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Aroclor-1268 [1]	ND	11	mg/Kg dry	400		SW-846 8082A	6/20/13	6/25/13 20:08	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/25/13 20:08	
Decachlorobiphenyl [2]		*	30-150		S-01			6/25/13 20:08	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/25/13 20:08	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/25/13 20:08	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 101EX2SB9-A1 (5-7ft)

Sampled: 6/19/2013 12:50

Sample ID: 13F0676-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1221 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1232 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1242 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1248 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1254 [1]	40	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1260 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1262 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Aroclor-1268 [1]	ND	4.9	mg/Kg dry	200		SW-846 8082A	6/20/13	6/25/13 20:21	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/25/13 20:21	
Decachlorobiphenyl [2]		*	30-150		S-01			6/25/13 20:21	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/25/13 20:21	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/25/13 20:21	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-1B (5-7ft)

Sampled: 6/19/2013 14:05

Sample ID: 13F0676-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1221 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1232 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1242 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1248 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1254 [1]	2000	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1260 [2]	250	220	mg/Kg dry	8000	P-01	SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1262 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Aroclor-1268 [1]	ND	220	mg/Kg dry	8000		SW-846 8082A	6/20/13	6/26/13 9:36	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			6/26/13 9:36	
Decachlorobiphenyl [2]	*		30-150		S-01			6/26/13 9:36	
Tetrachloro-m-xylene [1]	*		30-150		S-01			6/26/13 9:36	
Tetrachloro-m-xylene [2]	*		30-150		S-01			6/26/13 9:36	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-1B (7-9ft)

Sampled: 6/19/2013 14:07

Sample ID: 13F0676-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1221 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1232 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1242 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1248 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1254 [1]	200	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1260 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1262 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Aroclor-1268 [1]	ND	28	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/25/13 20:47	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01				6/25/13 20:47
Decachlorobiphenyl [2]	*		30-150		S-01				6/25/13 20:47
Tetrachloro-m-xylene [1]	*		30-150		S-01				6/25/13 20:47
Tetrachloro-m-xylene [2]	*		30-150		S-01				6/25/13 20:47



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-2A (3-5ft)

Sampled: 6/19/2013 15:12

Sample ID: 13F0676-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1221 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1232 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1242 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1248 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1254 [2]	32	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1260 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1262 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC
Aroclor-1268 [1]	ND	4.8	mg/Kg dry	200		SW-846 8082A	6/20/13	6/26/13 8:05	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed	Analyst
Decachlorobiphenyl [1]	*	30-150	S-01	6/26/13 8:05	
Decachlorobiphenyl [2]	*	30-150	S-01	6/26/13 8:05	
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/26/13 8:05	
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/26/13 8:05	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2A-2A (5-7ft)

Sampled: 6/19/2013 15:15

Sample ID: 13F0676-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1221 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1232 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1242 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1248 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1254 [1]	15	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1260 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1262 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Aroclor-1268 [1]	ND	2.8	mg/Kg dry	100		SW-846 8082A	6/20/13	6/26/13 8:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			6/26/13 8:18	
Decachlorobiphenyl [2]		*	30-150		S-01			6/26/13 8:18	
Tetrachloro-m-xylene [1]		*	30-150		S-01			6/26/13 8:18	
Tetrachloro-m-xylene [2]		*	30-150		S-01			6/26/13 8:18	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: Dup-02

Sampled: 6/19/2013 12:20

Sample ID: 13F0676-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1221 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1232 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1242 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1248 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1254 [1]	130 J	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1260 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1262 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Aroclor-1268 [1]	ND	29	mg/Kg dry	1000		SW-846 8082A	6/20/13	6/26/13 8:31	MJC
Surrogates	% Recovery	Recovery Limits		Flag					
Decachlorobiphenyl [1]	*	30-150		S-01			6/26/13 8:31		
Decachlorobiphenyl [2]	*	30-150		S-01			6/26/13 8:31		
Tetrachloro-m-xylene [1]	*	30-150		S-01			6/26/13 8:31		
Tetrachloro-m-xylene [2]	*	30-150		S-01			6/26/13 8:31		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB4A-1A (3-5ft)

Sampled: 6/19/2013 16:32

Sample ID: 13F0676-22

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1221 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1232 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1242 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1248 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1254 [1]	0.53	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1260 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1262 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Aroclor-1268 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/20/13	6/26/13 8:57	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	99.8		30-150					6/26/13 8:57	
Decachlorobiphenyl [2]	108		30-150					6/26/13 8:57	
Tetrachloro-m-xylene [1]	112		30-150					6/26/13 8:57	
Tetrachloro-m-xylene [2]	114		30-150					6/26/13 8:57	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0676

Date Received: 6/19/2013

Field Sample #: 102EX1SB2B-1A (3-5ft)

Sampled: 6/19/2013 17:02

Sample ID: 13F0676-23

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1254 [1]	1.8	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:27	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	91.6		30-150						6/25/13 16:27
Decachlorobiphenyl [2]	88.1		30-150						6/25/13 16:27
Tetrachloro-m-xylene [1]	95.7		30-150						6/25/13 16:27
Tetrachloro-m-xylene [2]	97.4		30-150						6/25/13 16:27



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2-A (15-17ft)

Sampled: 6/19/2013 08:35

Sample ID: 13F0973-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1254 [1]	3.4	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:18	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	104		30-150					7/2/13 15:18	
Decachlorobiphenyl [2]	100		30-150					7/2/13 15:18	
Tetrachloro-m-xylene [1]	102		30-150					7/2/13 15:18	
Tetrachloro-m-xylene [2]	102		30-150					7/2/13 15:18	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A (11-13ft)

Sampled: 6/19/2013 09:55

Sample ID: 13F0973-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1221 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1232 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1242 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1248 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1254 [1]	750	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1260 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1262 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Aroclor-1268 [1]	ND	88	mg/Kg dry	4000		SW-846 8082A	6/27/13	7/3/13 10:20	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			7/3/13 10:20	
Decachlorobiphenyl [2]	*		30-150		S-01			7/3/13 10:20	
Tetrachloro-m-xylene [1]	*		30-150		S-01			7/3/13 10:20	
Tetrachloro-m-xylene [2]	*		30-150		S-01			7/3/13 10:20	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A1 (5-7ft)

Sampled: 6/19/2013 10:10

Sample ID: 13F0973-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1248 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1254 [2]	1.2	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1260 [2]	0.93	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 15:44	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	92.3		30-150					7/2/13 15:44	
Decachlorobiphenyl [2]	98.0		30-150					7/2/13 15:44	
Tetrachloro-m-xylene [1]	103		30-150					7/2/13 15:44	
Tetrachloro-m-xylene [2]	101		30-150					7/2/13 15:44	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A1 (7-9ft)

Sampled: 6/19/2013 10:12

Sample ID: 13F0973-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:24	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	105	30-150						7/3/13 12:24	
Decachlorobiphenyl [2]	98.4	30-150						7/3/13 12:24	
Tetrachloro-m-xylene [1]	104	30-150						7/3/13 12:24	
Tetrachloro-m-xylene [2]	101	30-150						7/3/13 12:24	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A1 (9-11ft)

Sampled: 6/19/2013 10:15

Sample ID: 13F0973-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:37	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		107	30-150					7/3/13 12:37	
Decachlorobiphenyl [2]		101	30-150					7/3/13 12:37	
Tetrachloro-m-xylene [1]		107	30-150					7/3/13 12:37	
Tetrachloro-m-xylene [2]		105	30-150					7/3/13 12:37	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A2 (5-7ft)

Sampled: 6/19/2013 10:30

Sample ID: 13F0973-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1254 [1]	0.95	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:23	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	93.2	30-150						7/2/13 16:23	
Decachlorobiphenyl [2]	89.6	30-150						7/2/13 16:23	
Tetrachloro-m-xylene [1]	110	30-150						7/2/13 16:23	
Tetrachloro-m-xylene [2]	107	30-150						7/2/13 16:23	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A2 (7-9ft)

Sampled: 6/19/2013 10:32

Sample ID: 13F0973-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1221 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1232 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1242 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1248 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1254 [1]	1.5	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1260 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1262 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Aroclor-1268 [1]	ND	0.40	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 16:36	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	92.7		30-150						7/2/13 16:36
Decachlorobiphenyl [2]	89.9		30-150						7/2/13 16:36
Tetrachloro-m-xylene [1]	101		30-150						7/2/13 16:36
Tetrachloro-m-xylene [2]	102		30-150						7/2/13 16:36



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1A2 (9-11ft)

Sampled: 6/19/2013 10:35

Sample ID: 13F0973-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1221 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1232 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1242 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1248 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1254 [2]	1200	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1260 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1262 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Aroclor-1268 [1]	ND	210	mg/Kg dry	8000		SW-846 8082A	6/27/13	7/3/13 10:33	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/3/13 10:33	
Decachlorobiphenyl [2]		*	30-150		S-01			7/3/13 10:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/3/13 10:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/3/13 10:33	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1A1 (5-7ft)

Sampled: 6/19/2013 11:55

Sample ID: 13F0973-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1254 [1]	1.7	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1260 [2]	0.49	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 17:02	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	119		30-150					7/2/13 17:02	
Decachlorobiphenyl [2]	121		30-150					7/2/13 17:02	
Tetrachloro-m-xylene [1]	106		30-150					7/2/13 17:02	
Tetrachloro-m-xylene [2]	100		30-150					7/2/13 17:02	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1A1 (7-9ft)

Sampled: 6/19/2013 11:57

Sample ID: 13F0973-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1221 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1232 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1242 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1248 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1254 [1]	7.7	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1260 [2]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1262 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Aroclor-1268 [1]	ND	0.95	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 17:41	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		128	30-150					7/2/13 17:41	
Decachlorobiphenyl [2]		131	30-150					7/2/13 17:41	
Tetrachloro-m-xylene [1]		120	30-150					7/2/13 17:41	
Tetrachloro-m-xylene [2]		116	30-150					7/2/13 17:41	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1A (9-11ft)

Sampled: 6/19/2013 12:35

Sample ID: 13F0973-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1221 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1232 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1242 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1248 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1254 [1]	60	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1260 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1262 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Aroclor-1268 [1]	ND	8.5	mg/Kg dry	400		SW-846 8082A	6/27/13	7/2/13 17:54	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			7/2/13 17:54	
Decachlorobiphenyl [2]	*	30-150			S-01			7/2/13 17:54	
Tetrachloro-m-xylene [1]	*	30-150			S-01			7/2/13 17:54	
Tetrachloro-m-xylene [2]	*	30-150			S-01			7/2/13 17:54	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1C (9-11ft)

Sampled: 6/19/2013 13:40

Sample ID: 13F0973-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1221 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1232 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1242 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1248 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1254 [1]	430	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1260 [2]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1262 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Aroclor-1268 [1]	ND	44	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/2/13 18:07	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			7/2/13 18:07	
Decachlorobiphenyl [2]	*		30-150		S-01			7/2/13 18:07	
Tetrachloro-m-xylene [1]	*		30-150		S-01			7/2/13 18:07	
Tetrachloro-m-xylene [2]	*		30-150		S-01			7/2/13 18:07	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 1014DSB3-A1 (9-11ft)

Sampled: 6/19/2013 12:35

Sample ID: 13F0973-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1221 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1232 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1242 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1248 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1254 [1]	8.8	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1260 [2]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1262 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Aroclor-1268 [1]	ND	0.90	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:20	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	107	30-150						7/2/13 18:20	
Decachlorobiphenyl [2]	102	30-150						7/2/13 18:20	
Tetrachloro-m-xylene [1]	112	30-150						7/2/13 18:20	
Tetrachloro-m-xylene [2]	113	30-150						7/2/13 18:20	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 101EX2SB9-A1 (7-9ft)

Sampled: 6/19/2013 12:52

Sample ID: 13F0973-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1254 [1]	12	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1260 [2]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	40		SW-846 8082A	6/27/13	7/2/13 18:33	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/2/13 18:33	
Decachlorobiphenyl [2]		*	30-150		S-01			7/2/13 18:33	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/2/13 18:33	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/2/13 18:33	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 1014DSB3-A1A (5-7ft)

Sampled: 6/19/2013 13:25

Sample ID: 13F0973-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1254 [1]	2.7	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1260 [2]	0.93	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	6/27/13	7/2/13 18:46	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	94.4		30-150					7/2/13 18:46	
Decachlorobiphenyl [2]	97.4		30-150					7/2/13 18:46	
Tetrachloro-m-xylene [1]	105		30-150					7/2/13 18:46	
Tetrachloro-m-xylene [2]	101		30-150					7/2/13 18:46	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 1014DSB3-A1A (7-9ft)

Sampled: 6/19/2013 13:27

Sample ID: 13F0973-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1221 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1232 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1242 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1248 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1254 [1]	19	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1260 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1262 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Aroclor-1268 [1]	ND	2.7	mg/Kg dry	100		SW-846 8082A	6/27/13	7/2/13 18:59	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			7/2/13 18:59	
Decachlorobiphenyl [2]	*		30-150		S-01			7/2/13 18:59	
Tetrachloro-m-xylene [1]	*		30-150		S-01			7/2/13 18:59	
Tetrachloro-m-xylene [2]	*		30-150		S-01			7/2/13 18:59	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1B (9-11ft)

Sampled: 6/19/2013 14:10

Sample ID: 13F0973-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1221 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1232 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1242 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1248 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1254 [1]	150	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1260 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1262 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Aroclor-1268 [1]	ND	22	mg/Kg dry	1000		SW-846 8082A	6/27/13	7/2/13 19:12	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			7/2/13 19:12	
Decachlorobiphenyl [2]	*	30-150			S-01			7/2/13 19:12	
Tetrachloro-m-xylene [1]	*	30-150			S-01			7/2/13 19:12	
Tetrachloro-m-xylene [2]	*	30-150			S-01			7/2/13 19:12	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1C1 (5-7ft)

Sampled: 6/19/2013 14:35

Sample ID: 13F0973-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1221 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1232 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1242 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1248 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1254 [2]	8300	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1260 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1262 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Aroclor-1268 [1]	ND	1300	mg/Kg dry	50000		SW-846 8082A	6/27/13	7/3/13 10:45	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/3/13 10:45	
Decachlorobiphenyl [2]		*	30-150		S-01			7/3/13 10:45	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/3/13 10:45	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/3/13 10:45	

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1C1 (7-9ft)

Sampled: 6/19/2013 14:37

Samule ID: 13F0973-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1221 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1232 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1242 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1248 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1254 [2]	490	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1260 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1262 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC
Aroclor-1268 [1]	ND	49	mg/Kg dry	2000		SW-846 8082A	6/27/13	7/3/13 10:57	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	7/3/13 10:57
Decachlorobiphenyl [2]	*	30-150	S-01	7/3/13 10:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/3/13 10:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/3/13 10:57



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford

Sample Description:

Work Order: 13F0973

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-2A (11-13ft)

Sampled: 6/19/2013 15:22

Sample ID: 13F0973-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1254 [2]	0.17	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/27/13	7/3/13 12:49	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	107		30-150			7/3/13 12:49			
Decachlorobiphenyl [2]	102		30-150			7/3/13 12:49			
Tetrachloro-m-xylene [1]	107		30-150			7/3/13 12:49			
Tetrachloro-m-xylene [2]	106		30-150			7/3/13 12:49			

Memorandum

To: David Sullivan
From: Paula DiMattei
Date: October 10, 2013
Subject: PCB Aroclor Data Validation Review: New Bedford, MA: Soil Samples Collected July, August, and September 2013

SUMMARY

Limited validation was performed on the data for 69 soil samples collected in New Bedford, Massachusetts. The soil samples were collected on July 19, 2013, August 21, 2013, and September 19, 2013.

Samples were submitted to Con-test Analytical Laboratory (Con-test) in East Longmeadow, Massachusetts for analysis. The samples were analyzed for polychlorinated biphenyls (PCBs) using SW-846 Method 8082A. Con-test reported the results under the job numbers 13G0839, 13G1128, 13G1129, 13H0898, 13I0734, 13I0764, and 13I0795.

The sample results were assessed using the *EPA New England Environmental Data Review Supplement for Regional Data Review Elements and Superfund Specific Guidance/Procedures*, April 22, 2013. Modification of these guidelines was performed to accommodate the non-CLP methodology.

In general, the data appear to be valid as reported and may be used for decision-making purposes.

- The positive result for PCB Aroclor 1254 in sample 102EX1SB2A-2A (9-11) and the nondetect results for PCB Aroclors 1016, 1221, 1232, 1242, and 1248 in samples 102EX1SB2A-1B (13-15), 102EX1SB2A-1B (15-16), and 102EX1SB2A-1A (13-15) were qualified as estimated (J, UJ) due to continuing calibration nonconformances.
- The positive results for Aroclor 1254 in samples 102EX1SB1-1B (11-13), 102EX1SB1-1B (13-15), 102EX1SB2 (10-12), and 102EX1SB2A-1C1 (13-15) were qualified as estimated (J) due to dual column variability.

SAMPLES

Samples included in this review are listed below:

13G0839

102EX1SB2A-1C1A (5-7)	102EX1SB2A-1B1B (9-11)	102EX1SB1B-1A (13-15)
102EX1SB2A-1C1A (7-9)	102EX1SB2A-1B1A (5-7)	102EX1SB1A-2 (13-15)
102EX1SB2A-1B2A (5-7)	102EX1SB2A-1B1A (7-9)	102EXS1B2A-1 (11-13)
102EX1SB2A-1B2A (7-9)	102EX1SB2A-1B1A (9-11)	102EXS1B2A-1 (13-15)
102EX1SB2A-1B1B (5-7)	102EX1SB1B-1A2A (9-11)	102EX1SB2A-1C (13-15)
102EX1SB2A-1B1B (7-9)	102EX1SB1B-1A1C (9-11)	102EX1SB2A-2 (11-13)
	DUP-1 ¹	102EX1SB2A-2 (13-15)

¹Field duplicate of 102EX1SB1B-1A1C (9-11)

13G1128

102EX1SB2A-1C (15-17) 102EX1SB2A-1 (15-17)

13G1129

102EX1SB2A-1C (17-18)

13H0898

102EX1SB1-B (9-11)	DUP-1 ¹	102EX1SB2A-1C1 (13-15)
102EX1SB1-B (11-13)	102EX1SB2 (10-12)	102EX1SB2A-1C1 (15-17)
102EX1SB1-B (13-15)	102EX1SB2 (12-15)	102EX1SB2A-1B (13-15)
102EX1SB1B-1B (11-13)	102EX1SB2A-2 (17-18)	102EX1SB2A-1B (15-16)
102EX1SB1B-1B (13-15)	102EX1SB2A-2 (18-20)	102EX1SB2A-1A (13-15)

¹Field duplicate of 102EX1SB2 (12-15)

13I0734

102EX1SB2A-2A (9-11)	102EX1SB2-B (7-9)	102EX1SB2-B (17-19)
102EX1SB2A-2A (11-13)	102EX1SB2-B (9-11)	DUP-1 ¹
102EX1SB2A-2A (13-15)	102EX1SB2-B (11-13)	DUP-2 ²
102EX1SB2A-2A (15-17)	102EX1SB2-B (13-15)	
102EX1SB2A-2A (17-19)	102EX1SB2-B (15-17)	

¹Field duplicate of 102EX1SB2-B (17-19)

²Field duplicate of 102EX1SB2B-1 (19-21) in SDG 13I0764

13I0764

102EX1SB2A-2A (19-21)	102EX1SB2A-2A1 (19-21)	102EX1SB2B-1 (19-21)
-----------------------	------------------------	----------------------

13I0795

102EX1SB2A-2A1 (1-3)	102EX1SB2A-2A1 (11-13)	102EX1SB2B-1 (9-11)
102EX1SB2A-2A1 (3-5)	102EX1SB2A-2A1 (13-15)	102EX1SB2B-1 (11-13)
102EX1SB2A-2A1 (5-7)	102EX1SB2A-2A1 (15-17)	102EX1SB2B-1 (13-15)
102EX1SB2A-2A1 (7-9)	102EX1SB2A-2A1 (17-19)	102EX1SB2B-1 (15-17)
102EX1SB2A-2A1 (9-11)	102EX1SB2B-1 (7-9)	102EX1SB2B-1 (17-19)

REVIEW ELEMENTS

Sample data were reviewed for the following parameters:

- Agreement of analyses conducted with TRC requests
- Holding times and sample preservation
- Initial and continuing calibrations
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) results
- Matrix spike/matrix spike duplicate (MS/MSD) results

- Field duplicate results
- Quantitation limits and sample results
- Target compound identification

DISCUSSION

Agreement of Analyses Conducted with TRC Requests

All sample reports were checked to verify that the results corresponded to analytical requests as designated on the chain-of-custody and any correspondence between TRC and the laboratory. All criteria were met.

Holding Times and Sample Preservation

All holding time and sample preservation criteria were met for the soil samples.

Initial and Continuing Calibrations

The percent relative standard deviations (%RSDs) of all PCB Aroclors were within the acceptance criteria in all initial calibrations. The percent difference (%D) criteria of <20 were met for all continuing calibration verification (CCV) standards with the following exceptions.

CCV	Compound	%D		Associated samples	Data Validation Actions*
		Column 1	Column 2		
8-3-13 18:19 Beginning CCV	Aroclor 1016 (peak # 1) Aroclor 1260 (peak #4)	-31.8 -	- -22.8		PCB Aroclor 1254 was detected in the associated sample. The associated 1254 CCV standard analyzed at the start of the analytical sequence was compliant. Additionally, this result was reported from column 1 for which the bracketing 1260 CCV standards were compliant; therefore no data validation actions were required. Likewise, no data validation actions were required for the remaining PCB Aroclors which were not detected since one column was compliant for the bracketing 1016/1260 CCV standards.
8-3-13 20:41 Ending CCV	Aroclor 1016 (peak #1)	-23.3	-	102EX1SB2A-1 (15-17)	
8-28-13 13:02 Beginning CCV	Aroclor 1016 (peak#1) Aroclor 1016 (peak #2) Aroclor 1016 (peak #3) Aroclor 1016 (peak #4) Aroclor 1016 (peak #5) Aroclor 1260 (peak #1) Aroclor 1260 (peak #2) Aroclor 1260 (peak #3) Aroclor 1260 (peak #4) Aroclor 1260 (peak #5)	- - - - - - - - - -	-24.5 -23.7 -25.2 -23.4 -24.7 -22.4 -25.6 -25.9 -26.0 -30.9	102EX1SB1-B (11-13) DUP-1 (in SDG 13Ho898) 102EX1SB2 (12-15) 102EX1SB2A-1C1 (15-17)	PCB Aroclor 1254 was detected in all associated samples except 102EX1SB1-B (13-15). The associated 1254 CCV standard analyzed at the start of the analytical sequence was compliant. Additionally, these detected results were reported from column 1 for which the bracketing 1260 CCV standards were compliant; therefore, no data validation actions were
8-28-13 16:53	Aroclor 1016 (peak#1)	-	-36.2	102EX1SB1-B (11-13)	

CCV	Compound	%D		Associated samples	Data Validation Actions*
		Column 1	Column 2		
Ending CCV	Aroclor 1016 (peak #2) Aroclor 1016 (peak #3) Aroclor 1016 (peak #4) Aroclor 1016 (peak #5) Aroclor 1260 (peak #1) Aroclor 1260 (peak #2) Aroclor 1260 (peak #3) Aroclor 1260 (peak #4) Aroclor 1260 (peak #5)	- - - - - - - - -	-49.6 -50.2 -42.8 -43.4 -43.0 -46.8 -47.0 -48.1 -55.6	DUP-1 (in SDG 13H0898) 102EX1SB2 (12-15) 102EX1SB2A-1C1 (15-17) 102EX1SB1-B (9-11) 102EX1SB1-B (13-15) 102EX1SB1B-1B (11-13) 102EX1SB1B-1B (13-15) 102EX1SB2 (10-12) 102EX1SB2A-2 (17-18) 102EX1SB2A-2 (18-20) 102EX1SB2A-1C1 (13-15)	required. Likewise, no data validation actions were required for the remaining PCB Aroclors which were not detected since one column was compliant for the bracketing 1016/1260 CCV standards.
8-28-13 19:39 Ending CCV	Aroclor 1016 (peak#1) Aroclor 1016 (peak #2) Aroclor 1016 (peak #3) Aroclor 1016 (peak #4) Aroclor 1016 (peak #5) Aroclor 1260 (peak #1) Aroclor 1260 (peak #2) Aroclor 1260 (peak #3) Aroclor 1260 (peak #4) Aroclor 1260 (peak #5)	- - - - - - - - - -	-50.6 -56.3 -61.9 -57.1 -57.6 -54.2 -61.2 -60.4 -64.2 -68.4	102EX1SB1-B (9-11) 102EX1SB1-B (13-15) 102EX1SB1B-1B (11-13) 102EX1SB1B-1B (13-15) 102EX1SB2 (10-12) 102EX1SB2A2 (17-18) 102EX1SB2A (18-20) 102EX1SB2A-1C1 (13-15)	PCB Aroclor 1254 was detected in all associated samples except 102EX1SB1-B (13-15). The associated 1254 CCV standard analyzed at the start of the analytical sequence was compliant. Additionally, these detected results were reported from column 1 for which the bracketing 1260 CCV standards were compliant; therefore, no data validation actions were required. Likewise, no data validation actions were required for the remaining PCB Aroclors which were not detected since one column was compliant for the bracketing 1016/1260 CCV standards.
8-29-13 14:23 Ending CCV	Aroclor 1016 (peak#1) Aroclor 1016 (peak #2) Aroclor 1016 (peak #4)	- -21.3 -	-23.8 - -24.3	102EX1SB2A-1B (13-15) 102EX1SB2A-1B (15-16) 102EX1SB2A-1A (13-15)	PCB Aroclor 1254 was detected in samples 102EX1SB2A-B (13-15) and 102EX1SB2A-1B (15-16). The associated 1254 CCV standard analyzed at the start of the analytical sequence and the bracketing 1260 CCV standards were compliant; therefore, no data validation actions were required. The nondetect results for PCB Aroclors 1016, 1221, 1232, 1242, and 1248 were qualified as estimated (UJ) since the associated 1016 CCV standard was noncompliant on both columns.
9-26-2013 Beginning CCV	Aroclor 1254 (peak #5)	-	22.0	102EX1SB2A-2A (9-11) 102EX1SB2-B (7-9) 102EX1SB2-B (17-19) 102EX1SB2A-2A (11-13) 102EX1SB2-B (9-11) DUP-1 102EX1SB2A-2A (13-15) 102EX1SB2-B (11-13) DUP-2	The positive PCB Aroclor 1254 result for sample 102EX1SB2A-2A (9-11) was qualified as estimated (J) since this result was reported from the noncompliant column 2. PCB Aroclor 1254 in the remaining samples was either not detected or reported from the compliant

CCV	Compound	%D		Associated samples	Data Validation Actions*
		Column 1	Column 2		
				102EX1SB2A-2A (15-17) 102EX1SB2-B (13-15) 102EX1SB2A-2A (17-19) 102EX1SB2-B (15-17)	column 1; thus, no data validation actions were required. Likewise, no data validation actions were required for the remaining PCB Aroclors which were not detected since both columns were compliant for the bracketing 1016/1260 CCV standards.

*CCV standards comprised of Aroclors 1016 and 1260 were used to bracket samples in all analytical sequences. Aroclor 1254 was analyzed at the start of the analytical sequence. Professional judgment was applied to qualify Aroclor results other than 1016, 1254 and 1260 based on similar retention time windows since the instrument response and sensitivity is expected to be similar for Aroclors which elute within similar retention time windows. Consequently, results for Aroclors 1016, 1221, 1232, 1242, and 1248 were qualified when the associated Aroclor 1016 CCV standard failed to meet QC acceptance limits and results for Aroclors 1248 and 1260 were qualified when the associated Aroclor 1260 CCV standard failed to meet QC acceptance limits.

Data validation actions are applied to nondetect results only when both columns are non-compliant.
 -criterion met

The laboratory noted that the lower of the two positive Aroclor 1254 results for samples 102EX1SB1-B (9-11), 102EX1SB1-B (11-13), 102EX1SB1B-1B (11-13), 102EX1SB2A-2 (17-18), 102EX1SB2A-2 (18-20), 102EX1SB2A-1C1 (15-17), and 102EX1SB2A-1C1 (13-15) were reported due to the CCV nonconformance on the confirmation column (see details in the table above –column 2). These results were reported from the compliant column (column 1).

Method Blanks

PCB Aroclors were not detected in the method blanks associated with the soil samples in this data set.

Surrogate Spike Recoveries

The surrogate recoveries for many samples were not calculable as a result of dilutions greater than 20-fold required as a result of the elevated concentrations of PCB Aroclors present in the samples. No data validation actions were taken on this basis. The following table summarizes the surrogate recoveries for samples diluted 20-fold or below which were outside of the acceptance criteria of 30-150%.

Sample ID	DCB Column 1	DCB Column 2	TCMX Column 1	TCMX Column 2
102EX1SB1-B (11-13)	-	154	-	-
102EX1SB1-B (13-15)	-	158	-	-
102EX1SB1B-1B (11-13)	-	161	-	-
102EX1SB2 (10-12)	-	168	-	-
102EX1SB2A-1C1 (15-17)	-	175	-	-

- criterion met
 DCB – Decachlorobiphenyl
 TCMX – Tetrachloro-m-xylene

No data validation actions were required for the samples tabulated above since detected PCB Aroclor 1254 results were reported from the compliant column or PCB Aroclor results were not detected and are not affected by the high surrogate recoveries.

LCS Results

An LCS and LCS Duplicate were extracted and analyzed with each extraction batch. The percent recoveries (%Rs) and relative percent differences (RPDs) of Aroclors 1016 and 1260 were within the acceptance criteria of 40-140% in all LCS/LCSD analyses with the following exceptions.

Compound	LCS %R		LCSD %R	
	Column 1	Column 2	Column 1	Column 2
Aroclor 1016	-	153	-	-
Aroclor 1260	-	144	-	-
Associated samples: 102EX1SB1-B (9-11), 102EX1SB1-B (11-13), 102EX1SB1-B (13-15), 102EX1SB1-1B (11-13), 102EX1SB1B-1B (13-15), DUP-1 (in SDG 13Ho898), 102EX1SB2 (10-12), 102EX1SB2 (12-15), 102EX1SB2A-2 (17-18), 102EX1SB2A-2 (18-20), 102EX1SB2A-1C1 (13-15), and 102EX1SB2A-1C1 (15-17)				
Aroclor 1016	-	167	-	163
Aroclor 1260	-	170	-	165
Associated samples: 102EX1SB2A-1B (13-15), 102EX1SB2A-1B (15-16), and 102EX1SB2A-1A (13-15)				
-criterion met				

No data validation actions were required for the samples tabulated above since detected PCB Aroclor 1254 results were reported from the compliant column or PCB Aroclor results were not detected and are not affected by the high LCS and LCS duplicate recoveries.

MS/MSD Results

MS/MSD analyses were performed on the following samples: DUP-1, 102EX1SB2A-1B (13-15), 102EX1SB2A-2 (18-20), and 102EX1SB2A-2A (9-11). All criteria were met for the MS/MSD analysis performed on samples DUP-1 and 102EX1SB2A-1B (13-15). Recoveries in the remaining MS/MSD analyses were not calculable due to elevated concentrations of Aroclor 1254 which interfered with the quantitation of the spiked Aroclors. Qualification of the data on the basis of the MS/MSD results was not required.

Field Duplicate Results

Samples 102EX1SB1B-1A1C (9-11)/DUP-1 (in SDG 13Go839), 102EX1SB2 (12-15)/DUP-1 (in SDG 13Ho898), 102EX1SB2-B (17-19)/DUP-1 (in SDG 13Io734) and 102EX1SB2B-1 (17-19) (in SDG 13Io795)/DUP-02 (in SDG 13Io734) were submitted as the field duplicate pairs with this sample set. The following table summarizes the RPD of the detected Aroclor in the field duplicate pair 102EX1SB2 (12-15)/DUP-1, which was within the acceptance criteria. PCB Aroclors were not detected in the remaining field duplicate pairs.

Aroclor	102EX1SB2 (12-15) (mg/kg)	DUP-1 (mg/kg)	RPD (%)
Aroclor 1254	0.74	0.58	24

Quantitation Limits and Sample Results

All samples were analyzed at a minimum 5-fold dilution as part of the laboratory's normal analytical procedure. However, several samples were analyzed at higher dilutions due to the concentrations of PCB Aroclors which would have exceeded the calibration range if not diluted. Quantitation limits were elevated accordingly in each sample.

Target Compound Identification

All dual column RPDs for detected Aroclors were within the acceptance criteria with the following exceptions:

- 102EX1SB1-1B (11-13): Aroclor 1254 (44.5)
- 102EX1SB1B-1B (13-15): Aroclor 1254 (42.9)
- 102EX1SB2 (10-12): Aroclor 1254 (44.3)
- 102EX1SB2A-1C1 (13-15): Aroclor 1254 (41.3)

The positive results for Aroclor 1254 in the above-listed samples were qualified as estimated (J). The laboratory noted that the lower of the two values was reported for these samples.

Qualified Form Is



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1C1A (5-7)

Sampled: 7/19/2013 07:50

Sample ID: 13G0839-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1221 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1232 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1242 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1248 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1254 [1]	37	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1260 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1262 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Aroclor-1268 [1]	ND	5.1	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:03	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/25/13 9:03	
Decachlorobiphenyl [2]		*	30-150		S-01			7/25/13 9:03	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/25/13 9:03	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/25/13 9:03	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1C1A (7-9)

Sampled: 7/19/2013 07:55

Sample ID: 13G0839-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1254 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 9:15	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	82.7		30-150					7/25/13 9:15	
Decachlorobiphenyl [2]	76.4		30-150					7/25/13 9:15	
Tetrachloro-m-xylene [1]	82.2		30-150					7/25/13 9:15	
Tetrachloro-m-xylene [2]	77.8		30-150					7/25/13 9:15	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B2A (5-7)

Sampled: 7/19/2013 08:25

Sample ID: 13G0839-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1221 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1232 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1242 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1248 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1254 [1]	470	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1260 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1262 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Aroclor-1268 [1]	ND	52	mg/Kg dry	2000		SW-846 8082A	7/23/13	7/25/13 9:28	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01	7/25/13 9:28			
Decachlorobiphenyl [2]	*		30-150		S-01	7/25/13 9:28			
Tetrachloro-m-xylene [1]	*		30-150		S-01	7/25/13 9:28			
Tetrachloro-m-xylene [2]	*		30-150		S-01	7/25/13 9:28			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B2A (7-9)

Sampled: 7/19/2013 08:30

Sample ID: 13G0839-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1221 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1232 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1242 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1248 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1254 [2]	16	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1260 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1262 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Aroclor-1268 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 9:40	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			7/25/13 9:40	
Decachlorobiphenyl [2]	*		30-150		S-01			7/25/13 9:40	
Tetrachloro-m-xylene [1]	*		30-150		S-01			7/25/13 9:40	
Tetrachloro-m-xylene [2]	*		30-150		S-01			7/25/13 9:40	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B1B (5-7)

Sampled: 7/19/2013 09:00

Sample ID: 13G0839-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1221 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1232 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1242 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1248 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1254 [1]	2.2	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1260 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1262 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Aroclor-1268 [1]	ND	0.47	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 9:53	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		108	30-150					7/25/13 9:53	
Decachlorobiphenyl [2]		100	30-150					7/25/13 9:53	
Tetrachloro-m-xylene [1]		104	30-150					7/25/13 9:53	
Tetrachloro-m-xylene [2]		95.5	30-150					7/25/13 9:53	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B1B (7-9)

Sampled: 7/19/2013 09:05

Sample ID: 13G0839-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:05	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		101	30-150					7/25/13 10:05	
Decachlorobiphenyl [2]		92.0	30-150					7/25/13 10:05	
Tetrachloro-m-xylene [1]		107	30-150					7/25/13 10:05	
Tetrachloro-m-xylene [2]		102	30-150					7/25/13 10:05	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B1B (9-11)

Sampled: 7/19/2013 09:10

Sample ID: 13G0839-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1254 [1]	0.11	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:17	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	93.2		30-150			7/25/13 10:17			
Decachlorobiphenyl [2]	85.5		30-150			7/25/13 10:17			
Tetrachloro-m-xylene [1]	97.7		30-150			7/25/13 10:17			
Tetrachloro-m-xylene [2]	89.7		30-150			7/25/13 10:17			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B1A (5-7)

Sampled: 7/19/2013 09:35

Sample ID: 13G0839-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1254 [1]	0.58	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:09	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	102	30-150	
Decachlorobiphenyl [2]	96.2	30-150	
Tetrachloro-m-xylene [1]	99.1	30-150	
Tetrachloro-m-xylene [2]	92.8	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B1A (7-9)

Sampled: 7/19/2013 09:40

Sample ID: 13G0839-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1221 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1232 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1242 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1248 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1254 [2]	0.24	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1260 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1262 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Aroclor-1268 [1]	ND	0.15	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:30	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	92.3		30-150					7/25/13 10:30	
Decachlorobiphenyl [2]	84.3		30-150					7/25/13 10:30	
Tetrachloro-m-xylene [1]	96.3		30-150					7/25/13 10:30	
Tetrachloro-m-xylene [2]	86.7		30-150					7/25/13 10:30	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1B1A (9-11)

Sampled: 7/19/2013 09:45

Sample ID: 13G0839-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1254 [2]	0.82	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/23/13	7/24/13 23:33	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	113		30-150					7/24/13 23:33	
Decachlorobiphenyl [2]	105		30-150					7/24/13 23:33	
Tetrachloro-m-xylene [1]	113		30-150					7/24/13 23:33	
Tetrachloro-m-xylene [2]	101		30-150					7/24/13 23:33	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB1B-1A2A (9-11)

Sampled: 7/19/2013 11:15

Sample ID: 13G0839-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:42	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	95.1		30-150					7/25/13 10:42	
Decachlorobiphenyl [2]	84.6		30-150					7/25/13 10:42	
Tetrachloro-m-xylene [1]	89.9		30-150					7/25/13 10:42	
Tetrachloro-m-xylene [2]	85.4		30-150					7/25/13 10:42	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB1B-1A1C (9-11)

Sampled: 7/19/2013 11:45

Sample ID: 13G0839-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 10:54	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		95.1	30-150					7/25/13 10:54	
Decachlorobiphenyl [2]		87.6	30-150					7/25/13 10:54	
Tetrachloro-m-xylene [1]		95.7	30-150					7/25/13 10:54	
Tetrachloro-m-xylene [2]		91.4	30-150					7/25/13 10:54	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: Dup-1

Sampled: 7/19/2013 00:00

Sample ID: 13G0839-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	7/23/13	7/25/13 11:32	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		97.6	30-150					7/25/13 11:32	
Decachlorobiphenyl [2]		88.7	30-150					7/25/13 11:32	
Tetrachloro-m-xylene [1]		95.9	30-150					7/25/13 11:32	
Tetrachloro-m-xylene [2]		92.5	30-150					7/25/13 11:32	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB1B-1A (13-15)

Sampled: 7/19/2013 12:45

Sample ID: 13G0839-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1254 [2]	23	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 11:44	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	7/25/13 11:44
Decachlorobiphenyl [2]	*	30-150	S-01	7/25/13 11:44
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/25/13 11:44
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/25/13 11:44



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB1A-2 (13-15)

Sampled: 7/19/2013 13:06

Sample ID: 13G0839-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1254 [1]	1.4	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	7/23/13	7/25/13 0:35	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		106	30-150					7/25/13 0:35	
Decachlorobiphenyl [2]		99.2	30-150					7/25/13 0:35	
Tetrachloro-m-xylene [1]		97.7	30-150					7/25/13 0:35	
Tetrachloro-m-xylene [2]		90.5	30-150					7/25/13 0:35	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1 (11-13)

Sampled: 7/19/2013 13:30

Sample ID: 13G0839-16

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1221 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1232 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1242 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1248 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1254 [2]	600	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1260 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1262 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Aroclor-1268 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	7/23/13	7/25/13 11:56	MJC
Surrogates	% Recovery		Recovery Limits	Flag					
Decachlorobiphenyl [1]	*		30-150	S-01				7/25/13 11:56	
Decachlorobiphenyl [2]	*		30-150	S-01				7/25/13 11:56	
Tetrachloro-m-xylene [1]	*		30-150	S-01				7/25/13 11:56	
Tetrachloro-m-xylene [2]	*		30-150	S-01				7/25/13 11:56	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1 (13-15)

Sampled: 7/19/2013 13:35

Sample ID: 13G0839-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1221 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1232 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1242 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1248 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1254 [1]	1500	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1260 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1262 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Aroclor-1268 [1]	ND	420	mg/Kg dry	20000		SW-846 8082A	7/23/13	7/25/13 12:09	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			7/25/13 12:09	
Decachlorobiphenyl [2]	*		30-150		S-01			7/25/13 12:09	
Tetrachloro-m-xylene [1]	*		30-150		S-01			7/25/13 12:09	
Tetrachloro-m-xylene [2]	*		30-150		S-01			7/25/13 12:09	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-1C (13-15)

Sampled: 7/19/2013 14:00

Sample ID: 13G0839-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1221 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1232 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1242 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1248 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1254 [1]	9700	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1260 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1262 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC
Aroclor-1268 [1]	ND	1100	mg/Kg dry	50000		SW-846 8082A	7/23/13	7/25/13 12:21	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	7/25/13 12:21
Decachlorobiphenyl [2]	*	30-150	S-01	7/25/13 12:21
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/25/13 12:21
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/25/13 12:21



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-2 (11-13)

Sampled: 7/19/2013 14:20

Sample ID: 13G0839-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1254 [1]	16	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	7/23/13	7/25/13 12:34	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	7/25/13 12:34
Decachlorobiphenyl [2]	*	30-150	S-01	7/25/13 12:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/25/13 12:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/25/13 12:34



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G0839

Date Received: 7/19/2013

Field Sample #: 102EX1SB2A-2 (13-15)

Sampled: 7/19/2013 14:25

Sample ID: 13G0839-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1221 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1232 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1242 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1248 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1254 [1]	49	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1260 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1262 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Aroclor-1268 [1]	ND	8.2	mg/Kg dry	400		SW-846 8082A	7/23/13	7/25/13 12:46	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			7/25/13 12:46	
Decachlorobiphenyl [2]		*	30-150		S-01			7/25/13 12:46	
Tetrachloro-m-xylene [1]		*	30-150		S-01			7/25/13 12:46	
Tetrachloro-m-xylene [2]		*	30-150		S-01			7/25/13 12:46	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G1128

Date Received: 7/29/2013

Field Sample #: 102EX1SB2A-1C (15-17)

Sampled: 7/19/2013 14:05

Sample ID: 13G1128-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1221 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1232 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1242 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1248 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1254 [1]	910	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1260 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1262 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Aroclor-1268 [1]	ND	110	mg/Kg dry	5000		SW-846 8082A	7/30/13	8/4/13 9:32	JMB
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			8/4/13 9:32	
Decachlorobiphenyl [2]	*	30-150			S-01			8/4/13 9:32	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/4/13 9:32	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/4/13 9:32	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G1128

Date Received: 7/29/2013

Field Sample #: 102EX1SB2A-1 (15-17)

Sampled: 7/19/2013 13:40

Sample ID: 13C1128-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1254 [1]	2.9	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	7/30/13	8/3/13 19:24	JMB
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		108	30-150					8/3/13 19:24	
Decachlorobiphenyl [2]		101	30-150					8/3/13 19:24	
Tetrachloro-m-xylene [1]		102	30-150					8/3/13 19:24	
Tetrachloro-m-xylene [2]		94.2	30-150					8/3/13 19:24	

Project Location: New Bedford, MA

Sample Description:

Work Order: 13G1129

Date Received: 7/29/2013

Field Sample #: 102EX1SB2A-1C (17-18)

Sampled: 7/19/2013 14:10

Sample ID: 13G1129-02

Sample Matrix: Soil

Sample Flags: H-10

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1221 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1232 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1242 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1248 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1254 [1]	7.5	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1260 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1262 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Aroclor-1268 [1]	ND	1.8	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:14	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			8/6/13 17:14	
Decachlorobiphenyl [2]		*	30-150		S-01			8/6/13 17:14	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/6/13 17:14	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/6/13 17:14	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB1-B (9-11)

Sampled: 8/21/2013 08:45

Sample ID: 13H0898-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1221 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1232 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1242 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1248 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1254 [1]	45	8.7	mg/Kg dry	400	P-04	SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1260 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1262 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Aroclor-1268 [1]	ND	8.7	mg/Kg dry	400		SW-846 8082A	8/26/13	8/28/13 17:06	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	*		30-150		S-01			8/28/13 17:06	
Decachlorobiphenyl [2]	*		30-150		S-01			8/28/13 17:06	
Tetrachloro-m-xylene [1]	*		30-150		S-01			8/28/13 17:06	
Tetrachloro-m-xylene [2]	*		30-150		S-01			8/28/13 17:06	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SBI-B (11-13)

Sampled: 8/21/2013 08:50

Sample ID: 13H0898-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1254 [1]	1.0 ^J	0.41	mg/Kg dry	20	P-04	SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 13:28	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	135	30-150	
Decachlorobiphenyl [2]	154 *	30-150	S-12
Tetrachloro-m-xylene [1]	103	30-150	
Tetrachloro-m-xylene [2]	120	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SBI-B (13-15)

Sampled: 8/21/2013 09:00

Sample ID: 13H0898-03

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:19	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		130	30-150					8/28/13 17:19	
Decachlorobiphenyl [2]		158 *	30-150		S-12			8/28/13 17:19	
Tetrachloro-m-xylene [1]		93.4	30-150					8/28/13 17:19	
Tetrachloro-m-xylene [2]		126	30-150					8/28/13 17:19	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB1B-1B (11-13)

Sampled: 8/21/2013 10:15

Sample ID: 13H0898-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1254 [1]	0.16	0.10	mg/Kg dry	5	P-04	SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:31	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	131		30-150			8/28/13 17:31			
Decachlorobiphenyl [2]	161 *		30-150		S-12	8/28/13 17:31			
Tetrachloro-m-xylene [1]	95.4		30-150			8/28/13 17:31			
Tetrachloro-m-xylene [2]	131		30-150			8/28/13 17:31			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB1B-1B (13-15)

Sampled: 8/21/2013 10:20

Sample ID: 13H0898-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1254 [1]	0.15	0.10	mg/Kg dry	5	P-02	SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:44	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	115		30-150			8/28/13 17:44			
Decachlorobiphenyl [2]	142		30-150			8/28/13 17:44			
Tetrachloro-m-xylene [1]	84.8		30-150			8/28/13 17:44			
Tetrachloro-m-xylene [2]	117		30-150			8/28/13 17:44			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: DUP-1

Sampled: 8/21/2013 00:00

Sample ID: 13H0898-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1254 [1]	0.58	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:27	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	143	30-150	
Decachlorobiphenyl [2]	122	30-150	
Tetrachloro-m-xylene [1]	135	30-150	
Tetrachloro-m-xylene [2]	132	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2 (10-12)

Sampled: 8/21/2013 11:00

Sample ID: 13H0898-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1254 [1]	0.27 [✓]	0.10	mg/Kg dry	5	P-02	SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/28/13 17:57	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	135	30-150		8/28/13 17:57
Decachlorobiphenyl [2]	168 *	30-150	S-12	8/28/13 17:57
Tetrachloro-m-xylene [1]	104	30-150		8/28/13 17:57
Tetrachloro-m-xylene [2]	148	30-150		8/28/13 17:57



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2 (12-15)

Sampled: 8/21/2013 11:10

Sample ID: 13H0898-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1254 [1]	0.74	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/29/13 12:40	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	127	30-150	
Decachlorobiphenyl [2]	109	30-150	
Tetrachloro-m-xylene [1]	119	30-150	
Tetrachloro-m-xylene [2]	116	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2A-2 (17-18)

Sampled: 8/21/2013 11:50

Sample ID: 13H0898-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1221 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1232 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1242 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1248 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1254 [1]	800	210	mg/Kg dry	10000	P-04	SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1260 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1262 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Aroclor-1268 [1]	ND	210	mg/Kg dry	10000		SW-846 8082A	8/26/13	8/28/13 18:10	MJC
Surrogates	% Recovery	Recovery Limits			Flag				
Decachlorobiphenyl [1]	*	30-150			S-01			8/28/13 18:10	
Decachlorobiphenyl [2]	*	30-150			S-01			8/28/13 18:10	
Tetrachloro-m-xylene [1]	*	30-150			S-01			8/28/13 18:10	
Tetrachloro-m-xylene [2]	*	30-150			S-01			8/28/13 18:10	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2A-2 (18-20)

Sampled: 8/21/2013 12:00

Sample ID: 13H0898-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1248 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1254 [1]	8.2	1.9	mg/Kg dry	80	P-04	SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	8/26/13	8/28/13 18:23	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		*	30-150		S-01			8/28/13 18:23	
Decachlorobiphenyl [2]		*	30-150		S-01			8/28/13 18:23	
Tetrachloro-m-xylene [1]		*	30-150		S-01			8/28/13 18:23	
Tetrachloro-m-xylene [2]		*	30-150		S-01			8/28/13 18:23	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2A-1C1 (13-15)

Sampled: 8/21/2013 13:20

Sample ID: 13H0898-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1221 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1232 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1242 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1248 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1254 [1]	28	4.2	mg/Kg dry	200	P-02	SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1260 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1262 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC
Aroclor-1268 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	8/26/13	8/28/13 18:35	MJC

Surrogates	% Recovery	Recovery Limits	Flag	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	8/28/13 18:35
Decachlorobiphenyl [2]	*	30-150	S-01	8/28/13 18:35
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/28/13 18:35
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/28/13 18:35



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX15B2A-1C1 (15-17)

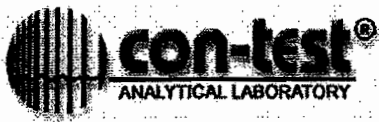
Sampled: 8/21/2013 13:25

Sample ID: 13H0898-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1254 [1]	0.81	0.42	mg/Kg dry	20	P-04	SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	8/26/13	8/28/13 15:49	MJC
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	150		30-150			8/28/13 15:49			
Decachlorobiphenyl [2]	175 *		30-150		S-12	8/28/13 15:49			
Tetrachloro-m-xylene [1]	111		30-150			8/28/13 15:49			
Tetrachloro-m-xylene [2]	140		30-150			8/28/13 15:49			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2A-1B (13-15)

Sampled: 8/21/2013 13:50

Sample ID: 13H0898-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND <i>VS</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1221 [1]	ND <i>VS</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1232 [1]	ND <i>VS</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1242 [1]	ND <i>VS</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1248 [1]	ND <i>VS</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1254 [1]	0.17	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	93.1	30-150	8/29/13 12:52
Decachlorobiphenyl [2]	79.7	30-150	8/29/13 12:52
Tetrachloro-m-xylene [1]	95.1	30-150	8/29/13 12:52
Tetrachloro-m-xylene [2]	93.3	30-150	8/29/13 12:52



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2A-1B (15-16)

Sampled: 8/21/2013 13:55

Sample ID: 13H0898-21

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND <i>US</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1221 [1]	ND <i>US</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1232 [1]	ND <i>US</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1242 [1]	ND <i>US</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1248 [1]	ND <i>US</i>	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1254 [1]	0.13	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	93.9	30-150	8/29/13 13:05
Decachlorobiphenyl [2]	80.5	30-150	8/29/13 13:05
Tetrachloro-m-xylene [1]	93.2	30-150	8/29/13 13:05
Tetrachloro-m-xylene [2]	91.2	30-150	8/29/13 13:05



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 13H0898

Date Received: 8/22/2013

Field Sample #: 102EX1SB2A-1A (13-15)

Sampled: 8/21/2013 14:35

Sample ID: 13H0898-24

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND <i>u/s</i>	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1221 [1]	ND <i>u/s</i>	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1232 [1]	ND <i>u/s</i>	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1242 [1]	ND <i>u/s</i>	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1248 [1]	ND <i>u/s</i>	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Surrogates		% Recovery	Recovery Limits		Flag				
Decachlorobiphenyl [1]		92.4	30-150					8/29/13 13:18	
Decachlorobiphenyl [2]		79.3	30-150					8/29/13 13:18	
Tetrachloro-m-xylene [1]		91.7	30-150					8/29/13 13:18	
Tetrachloro-m-xylene [2]		89.6	30-150					8/29/13 13:18	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (9-11)

Sampled: 9/19/2013 12:50

Sample ID: 1310734-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1254 [2]	0.25 J	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 9:11	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	127		30-150			9/27/13 9:11			
Decachlorobiphenyl [2]	109		30-150			9/27/13 9:11			
Tetrachloro-m-xylene [1]	108		30-150			9/27/13 9:11			
Tetrachloro-m-xylene [2]	100		30-150			9/27/13 9:11			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (11-13)

Sampled: 9/19/2013 12:55

Sample ID: 1310734-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1254 [1]	0.58	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 16:37	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	122	30-150	
Decachlorobiphenyl [2]	101	30-150	
Tetrachloro-m-xylene [1]	94.1	30-150	
Tetrachloro-m-xylene [2]	84.2	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (13-15)

Sampled: 9/19/2013 13:10

Sample ID: 1310734-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1221 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1232 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1242 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1248 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1254 [1]	560	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1260 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1262 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC
Aroclor-1268 [1]	ND	85	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:24	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time
Decachlorobiphenyl [1]	*	30-150	S-01	9/27/13 9:24
Decachlorobiphenyl [2]	*	30-150	S-01	9/27/13 9:24
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/27/13 9:24
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/27/13 9:24



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (15-17)

Sampled: 9/19/2013 13:15

Sample ID: 1310734-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1221 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1232 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1242 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1248 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1254 [1]	820	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1260 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1262 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC
Aroclor-1268 [1]	ND	86	mg/Kg dry	4000		SW-846 8082A	9/25/13	9/27/13 9:36	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	9/27/13 9:36
Decachlorobiphenyl [2]	*	30-150	S-01	9/27/13 9:36
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/27/13 9:36
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/27/13 9:36



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (17-19)

Sampled: 9/19/2013 13:25

Sample ID: 1310734-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1221 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1232 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1242 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1248 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1254 [1]	380	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1260 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1262 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC
Aroclor-1268 [1]	ND	48	mg/Kg dry	2000		SW-846 8082A	9/25/13	9/27/13 9:49	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	Date/Time Analyzed
Decachlorobiphenyl [1]	*	30-150	S-01	9/27/13 9:49
Decachlorobiphenyl [2]	*	30-150	S-01	9/27/13 9:49
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/27/13 9:49
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/27/13 9:49



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (7-9)

Sampled: 9/19/2013 13:45

Sample ID: 1310734-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1221 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1232 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1242 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1248 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1254 [1]	5.4	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1260 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1262 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Aroclor-1268 [1]	ND	0.63	mg/Kg dry	20		SW-846 8082A	9/25/13	9/27/13 10:01	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		119	30-150					9/27/13 10:01	
Decachlorobiphenyl [2]		106	30-150					9/27/13 10:01	
Tetrachloro-m-xylene [1]		118	30-150					9/27/13 10:01	
Tetrachloro-m-xylene [2]		104	30-150					9/27/13 10:01	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (9-11)

Sampled: 9/19/2013 13:50

Sample ID: 1310734-08

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:13	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	93.1	30-150	9/27/13 10:13
Decachlorobiphenyl [2]	82.4	30-150	9/27/13 10:13
Tetrachloro-m-xylene [1]	94.9	30-150	9/27/13 10:13
Tetrachloro-m-xylene [2]	87.4	30-150	9/27/13 10:13



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (11-13)

Sampled: 9/19/2013 14:00

Sample ID: 1310734-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1221 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1232 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1242 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1248 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1254 [1]	0.86	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1260 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1262 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Aroclor-1268 [1]	ND	0.41	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 17:51	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		125	30-150					9/26/13 17:51	
Decachlorobiphenyl [2]		111	30-150					9/26/13 17:51	
Tetrachloro-m-xylene [1]		109	30-150					9/26/13 17:51	
Tetrachloro-m-xylene [2]		97.6	30-150					9/26/13 17:51	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (13-15)

Sampled: 9/19/2013 14:05

Sample ID: 1310734-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1254 [1]	0.25	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:26	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	93.8	30-150	
Decachlorobiphenyl [2]	82.2	30-150	
Tetrachloro-m-xylene [1]	86.7	30-150	
Tetrachloro-m-xylene [2]	79.9	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (15-17)

Sampled: 9/19/2013 14:25

Sample ID: 1310734-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1254 [1]	0.66	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	9/25/13	9/26/13 18:53	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	130	30-150	
Decachlorobiphenyl [2]	109	30-150	
Tetrachloro-m-xylene [1]	109	30-150	
Tetrachloro-m-xylene [2]	97.4	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (17-19)

Sampled: 9/19/2013 14:30

Sample ID: 1310734-13

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:38	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		117	30-150					9/27/13 10:38	
Decachlorobiphenyl [2]		101	30-150					9/27/13 10:38	
Tetrachloro-m-xylene [1]		109	30-150					9/27/13 10:38	
Tetrachloro-m-xylene [2]		101	30-150					9/27/13 10:38	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: DUP-1

Sampled: 9/19/2013 14:30

Sample ID: 1310734-14

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 10:50	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	121	30-150	9/27/13 10:50
Decachlorobiphenyl [2]	105	30-150	9/27/13 10:50
Tetrachloro-m-xylene [1]	106	30-150	9/27/13 10:50
Tetrachloro-m-xylene [2]	98.5	30-150	9/27/13 10:50



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310734

Date Received: 9/20/2013

Field Sample #: DUP-2

Sampled: 9/19/2013 16:35

Sample ID: 1310734-33

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date		Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	9/27/13 11:03	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual		Date		Analyst
Decachlorobiphenyl [1]	126		30-150				9/27/13 11:03		
Decachlorobiphenyl [2]	110		30-150				9/27/13 11:03		
Tetrachloro-m-xylene [1]	110		30-150				9/27/13 11:03		
Tetrachloro-m-xylene [2]	101		30-150				9/27/13 11:03		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310764

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (19-21')

Sampled: 9/19/2013 13:30

Sample ID: 1310764-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1254 [2]	0.38	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:01	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	103		30-150						10/1/13 11:01
Decachlorobiphenyl [2]	105		30-150						10/1/13 11:01
Tetrachloro-m-xylene [1]	94.0		30-150						10/1/13 11:01
Tetrachloro-m-xylene [2]	96.2		30-150						10/1/13 11:01



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310764

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A1 (19-21')

Sampled: 9/19/2013 15:50

Sample ID: 1310764-03

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:14	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		105	30-150					10/1/13 11:14	
Decachlorobiphenyl [2]		107	30-150					10/1/13 11:14	
Tetrachloro-m-xylene [1]		92.2	30-150					10/1/13 11:14	
Tetrachloro-m-xylene [2]		94.2	30-150					10/1/13 11:14	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310764

Date Received: 9/20/2013

Field Sample #: 102EX1SB2B-1 (19-21')

Sampled: 9/19/2013 16:40

Sample ID: 1310764-04

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/25/13	10/1/13 11:27	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	104	30-150	
Decachlorobiphenyl [2]	106	30-150	
Tetrachloro-m-xylene [1]	90.8	30-150	
Tetrachloro-m-xylene [2]	92.6	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (1-3)

Sampled: 9/19/2013 14:45

Sample ID: 1310795-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1248 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1254 [2]	1.7	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1260 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	9/26/13	10/2/13 14:47	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	114		30-150						10/2/13 14:47
Decachlorobiphenyl [2]	123		30-150						10/2/13 14:47
Tetrachloro-m-xylene [1]	107		30-150						10/2/13 14:47
Tetrachloro-m-xylene [2]	110		30-150						10/2/13 14:47



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (3-5)

Sampled: 9/19/2013 14:50

Sample ID: 1310795-03

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:20	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	105	30-150	10/2/13 11:20
Decachlorobiphenyl [2]	105	30-150	10/2/13 11:20
Tetrachloro-m-xylene [1]	98.5	30-150	10/2/13 11:20
Tetrachloro-m-xylene [2]	101	30-150	10/2/13 11:20



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (5-7)

Sampled: 9/19/2013 15:00

Sample ID: 1310795-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1221 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1232 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1242 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1248 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1254 [2]	4.0	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1260 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1262 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Aroclor-1268 [1]	ND	1.0	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:00	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			10/2/13 15:00	
Decachlorobiphenyl [2]		*	30-150		S-01			10/2/13 15:00	
Tetrachloro-m-xylene [1]		*	30-150		S-01			10/2/13 15:00	
Tetrachloro-m-xylene [2]		*	30-150		S-01			10/2/13 15:00	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (7-9)

Sampled: 9/19/2013 15:05

Sample ID: 1310795-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1221 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1232 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1242 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1248 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1254 [2]	2.1	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1260 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1262 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC
Aroclor-1268 [1]	ND	0.18	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:46	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	95.8	30-150	
Decachlorobiphenyl [2]	103	30-150	
Tetrachloro-m-xylene [1]	102	30-150	
Tetrachloro-m-xylene [2]	103	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (9-11)

Sampled: 9/19/2013 15:15

Sample ID: 1310795-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date	Date/Time	Analyst
							Prepared	Analyzed	
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1254 [2]	0.57	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 11:59	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual		Date/Time		
Decachlorobiphenyl [1]	103		30-150				10/2/13 11:59		
Decachlorobiphenyl [2]	109		30-150				10/2/13 11:59		
Tetrachloro-m-xylene [1]	100		30-150				10/2/13 11:59		
Tetrachloro-m-xylene [2]	102		30-150				10/2/13 11:59		



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (11-13)

Sampled: 9/19/2013 15:25

Sample ID: 1310795-07

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:12	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		102	30-150					10/2/13 12:12	
Decachlorobiphenyl [2]		105	30-150					10/2/13 12:12	
Tetrachloro-m-xylene [1]		96.1	30-150					10/2/13 12:12	
Tetrachloro-m-xylene [2]		98.4	30-150					10/2/13 12:12	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (13-15)

Sampled: 9/19/2013 15:30

Sample ID: 1310795-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1254 [2]	0.67	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 12:25	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		96.1	30-150					10/2/13 12:25	
Decachlorobiphenyl [2]		97.9	30-150					10/2/13 12:25	
Tetrachloro-m-xylene [1]		88.4	30-150					10/2/13 12:25	
Tetrachloro-m-xylene [2]		90.1	30-150					10/2/13 12:25	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (15-17)

Sampled: 9/19/2013 15:40

Sample ID: 1310795-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1221 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1232 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1242 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1248 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1254 [2]	230	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1260 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1262 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Aroclor-1268 [1]	ND	21	mg/Kg dry	1000		SW-846 8082A	9/26/13	10/2/13 15:12	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			10/2/13 15:12	
Decachlorobiphenyl [2]		*	30-150		S-01			10/2/13 15:12	
Tetrachloro-m-xylene [1]		*	30-150		S-01			10/2/13 15:12	
Tetrachloro-m-xylene [2]		*	30-150		S-01			10/2/13 15:12	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

19
10/19/13

Field Sample #: 102EX1SB2A-2A1 (17-18)

Sampled: 9/19/2013 15:45

Sample ID: 1310795-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1254 [2]	4.5	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1260 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:25	MJC
Surrogates	% Recovery		Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	*		30-150	S-01		10/2/13 15:25			
Decachlorobiphenyl [2]	*		30-150	S-01		10/2/13 15:25			
Tetrachloro-m-xylene [1]	*		30-150	S-01		10/2/13 15:25			
Tetrachloro-m-xylene [2]	*		30-150	S-01		10/2/13 15:25			



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (7-9)

Sampled: 9/19/2013 16:05

Sample ID: 1310795-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1254 [1]	6.1	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1260 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	50		SW-846 8082A	9/26/13	10/2/13 15:38	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		*	30-150		S-01			10/2/13 15:38	
Decachlorobiphenyl [2]		*	30-150		S-01			10/2/13 15:38	
Tetrachloro-m-xylene [1]		*	30-150		S-01			10/2/13 15:38	
Tetrachloro-m-xylene [2]		*	30-150		S-01			10/2/13 15:38	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (9-11)

Sampled: 9/19/2013 16:10

Sample ID: 1310795-12

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	94.2	30-150	
Decachlorobiphenyl [2]	96.1	30-150	
Tetrachloro-m-xylene [1]	96.5	30-150	
Tetrachloro-m-xylene [2]	98.9	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (11-13)

Sampled: 9/19/2013 16:15

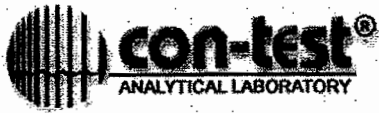
Sample ID: 1310795-13

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:30	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					10/2/13 13:30	
Decachlorobiphenyl [2]		105	30-150					10/2/13 13:30	
Tetrachloro-m-xylene [1]		101	30-150					10/2/13 13:30	
Tetrachloro-m-xylene [2]		103	30-150					10/2/13 13:30	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (13-15)

Sampled: 9/19/2013 16:20

Sample ID: 1310795-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1254 [2]	0.33	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:43	MJC
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]	95.9		30-150					10/2/13 13:43	
Decachlorobiphenyl [2]	98.8		30-150					10/2/13 13:43	
Tetrachloro-m-xylene [1]	97.2		30-150					10/2/13 13:43	
Tetrachloro-m-xylene [2]	99.9		30-150					10/2/13 13:43	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (15-17)

Sampled: 9/19/2013 16:30

Sample ID: 1310795-15

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 13:56	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual
Decachlorobiphenyl [1]	101	30-150	
Decachlorobiphenyl [2]	103	30-150	
Tetrachloro-m-xylene [1]	97.6	30-150	
Tetrachloro-m-xylene [2]	99.5	30-150	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 102 Greenwood St., New Bedford

Sample Description:

Work Order: 1310795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (17-19)

Sampled: 9/19/2013 16:35

Sample ID: 1310795-16

Sample Matrix: Soil

Sample Flags: O-32

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/26/13	10/2/13 14:09	MJC
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		103	30-150					10/2/13 14:09	
Decachlorobiphenyl [2]		106	30-150					10/2/13 14:09	
Tetrachloro-m-xylene [1]		99.5	30-150					10/2/13 14:09	
Tetrachloro-m-xylene [2]		101	30-150					10/2/13 14:09	

**102 Greenwood Street
New Bedford, Massachusetts
Data Usability Assessment
Prepared: 10/07/13**

A. Overall Summary

The data associated with soil samples collected on August 21 and September 19, 2013 and groundwater samples collected on September 27, 2013 were reviewed. In general, the data are usable for MCP decisions based on a review of accuracy, precision, and sensitivity of the data. Although there were select quality control (QC) nonconformances, the data are valid as reported and may be used for decision-making purposes with the following caution.

- Caution should be used with the vinyl chloride results in all groundwater samples due to low recoveries in the LCS and LCS Duplicate analyses. The nondetect results for vinyl chloride in these samples are equivalent to the project action levels and therefore the decision-making process may be affected by the low bias. Caution should be used with these results as the actual results may be higher and above the project action levels.

Soil Samples Included in the Data Usability Assessment:

August 2013: 102EX1SB1B-1B (5-7), 102EX1SB2A-1C1 (5-7), 102EX1SB2A-1C1 (7-9), 102EX1SB2A-2 (4-6), 102EX1SB2A-2A (3-5)
September 2013: MW43 (6.5-7), MW44 (7-7.5)

Groundwater Samples Included in the Data Usability Assessment: MW-43, MW-44, MW-45

Field Duplicates: 102EX1SB2A-2 (4-6) (VOCs), MW-43 (VOCs, SVOCs, PCB Aroclors, total and dissolved metals)

MS/MSDs: MW-43 (total and dissolved metals)

Soil Analyses Performed: VOCs or TPH

Groundwater Analyses Performed: VOCs, SVOCs, PCB Aroclors, total and dissolved metals

Associated Data Package Numbers:

Soil: Con-test Analytical: 13H0874, 13I0732

Groundwater: Con-test Analytical: 13I1054

B. Sensitivity Evaluation

Soil

Sensitivity was acceptable for the VOC analyses of all soil samples (i.e., quantitation limits [QLs] for all nondetect results were below the applicable MassDEP Method 1 S-1/GW-2 and S-1/GW-3 standards).

Groundwater

Sensitivity was acceptable for the PCB Aroclor, total metals and dissolved metals analyses of all groundwater samples (i.e., QLs for all nondetect results were below the applicable MassDEP Method 1 GW-1, GW-2 and GW-3 standards). The following sensitivity issues were noted for the VOC and SVOC analyses of groundwater samples:

- The QLs for 1,2-dibromoethane (0.5 ug/L) were above the Method 1 GW-1 standard (0.02 ug/L) in all groundwater samples. The overall usability and decision-making process were not

adversely affected by the elevated QLs since this is not a contaminant of concern based on site history.

- The QLs for hexachlorobenzene (10 ug/L) and hexachlorobutadiene (10 ug/L) were above the Method 1 GW-1 and GW-2 standards (1 ug/L) in all groundwater samples. The QLs for pentachlorophenol (10 ug/L) were above the Method 1 GW-1 standard (1 ug/L) in all groundwater samples. The overall usability and decision-making process were not adversely affected by these sensitivity issues since hexachlorobenzene, hexachlorobutadiene and pentachlorophenol are not contaminants of concern based on site history.

C. Evaluation of Accuracy and Precision: Soil

There were no biases or uncertainty associated with the TPH analyses of the September 2013 soil samples. Biases associated with the VOC analyses of the August 2013 soil samples are discussed below.

C-1. Low-Biased Results: Soil

Potential low bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
102EX1SB1B-1B (5-7), 102EX1SB2A-2 (4-6)	Acetone, chloromethane, dichlorodifluoromethane	Low recoveries in LCS and/or LCS Duplicate	Nondetect results for acetone significantly below project action levels in affected samples. No project action levels exist for chloromethane and dichlorodifluoromethane.
All August 2013 soil samples	Bromomethane	Low recoveries in LCS	Nondetect results for bromomethane significantly below project action levels in affected samples.
102EX1SB2A-1C1 (5-7), 102EX1SB2A-1C1 (7-9), 102EX1SB2A-2A (3-5)	Methylene chloride	Low recoveries in LCS and LCS Duplicate	Nondetect results for methylene chloride significantly below project action levels in affected samples.

D. Evaluation of Accuracy and Precision: Groundwater

There were no biases or uncertainty associated with the SVOC, PCB Aroclor, total metals and dissolved metals analyses. Biases or uncertainty associated with the VOC analyses are discussed below.

D-1. Low-Biased Results: Groundwater

Potential low bias exists for vinyl chloride in all groundwater samples due to low recoveries in the LCS and LCS Duplicate analyses. The nondetect results for vinyl chloride in these samples should be used with caution due to this low bias. The QLs for the nondetect results are equivalent to the project action levels and therefore the potential low bias could affect the decision-making process as the results could be above this QL if the low bias did not exist.

In general, the overall data usability and decision-making process were not affected by the remaining QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
All ground water samples	Bromomethane, chloromethane, dichlorodifluoromethane, 1,2- dibromo-3-chloropropane	Low recoveries in LCS and/or LCS Duplicate	Nondetect results for affected analytes below project action levels in affected samples, affected analyte not a contaminant of concern based on site

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
			history, and/or no project action level exists for the affected analyte.

D-2. High-Biased Results: Groundwater

Potential high bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
All groundwater samples	Acetone	High recoveries in LCS and LCS Duplicate	Acetone not detected in affected samples.

APPENDIX C

GROUNDWATER SAMPLING FORMS



Low-flow Groundwater Field Data Record

Project: ARP - City of New Bedford Project No.: 11508 Date/Time: 9/27/13 Sheet 1 of 1

TRC Personnel: J. Fiero Well ID: MW-43

WELL INTEGRITY table with checkboxes for Protect. Casing Secure, Concrete Collar Intact, PVC Stick-up Intact, Well Cap Present, Security Lock Present.

Protective Casing Stick-up, Riser Stick-up, WELL DIAMETER, WELL MATERIAL (PVC, SS) fields.

Flow-thru Cell Volume: 150 mL, PID SCREENING MEAS. table with Background 0.0 and Well Mouth 17.1.

Well Depth 18.15 ft, Water Depth 11.20 ft, LOW FLOW DATA, Initial purge Rate, Adjusted purge Rates, Flow rate at time of sampling, Volume of water purged.

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Table with 11 columns (Time, Temp, Conduct, DO, pH, Eh/ORP, Turbidity, Flow, Depth To Water) and 11 rows of data.

Table with 11 columns (Time, Temp, Conduct, DO, pH, Eh/ORP, Turbidity, Flow, Depth To Water) and 11 rows of data, including stabilization criteria on the right.

Pump Type, Purge, Sample, Comments: VSI 600 XL, Thermo 580 B, QED Sample Pk, bladder pump, teflon-lined tubing, CalNote

Table with 7 columns (Analytical Parameter, Filtered, Preservation, Volume, Time Collected, QC, Sample #) and 4 rows of data.

Filtered, Unfilt.



Low-flow Groundwater Field Data Record

Project: ARP- City of New Bedford 115098 Project No.: 115098 Date/Time: 9/27/13 Sheet 1 of 1

TRC Personnel: J. Fiero Well ID: MW-44

WELL INTEGRITY

Table with columns YES/NO for Protect. Casing Secure, Concrete Collar Intact, PVC Stick-up Intact, Well Cap Present, Security Lock Present.

Sampling Equipment:

Flow-thru Cell Volume: 150 mL

PID SCREENING MEAS.

Table with columns Background (0.6), Well Mouth (0.3)

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [] 4 inch [] 6 inch

WELL MATERIAL

[X] PVC [] SS []

Well Depth 18.3 ft. [X] top of riser [] top of casing [X] measured [] historical

Water Depth 11.65 ft. LNAPL/DNAPL Depth = _____ Thickness = _____

LOW FLOW DATA Depth of pump intake: ~11' BGS Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 200

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 200

Volume of water purged: ~17 Liters

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Table with columns Time (1210-1255) and rows for Temp. (C), Conduct. (µmhos/cm), DO (mg/l), pH (Std. Units), Eh/ORP (millivolts), Turbidity (NTU), Flow (ml/min), Depth To Water (ft).

Table with columns Time (1300-1325) and rows for Temp. (C), Conduct. (µmhos/cm), DO (mg/l), pH (Std. Units), Eh/ORP (millivolts), Turbidity (NTU), Flow (ml/min), Depth To Water (ft). Includes Stabilization Criteria* (3 consecutive readings).

Pump Type: Peristaltic Pump, Submersible Pump, Bladder Pump, Other: [X] Purge [X] Sample

Comments: VSI 6000 XL, Thermo 580 B, OED Sample Pa bladder pump, teflon-lined tubing, latkotte

Table with columns Analytical Parameter, Filtered (Y/N), Preservation, Volume, Time Collected, QC, Sample #. Rows include PCB, SVOC, VOC, Metals.

Filtered, Unfiltr.



Low-flow Groundwater Field Data Record

Project: ARP-City of New Bedford Project No.: 115058 Date/Time: 9/27/13 Sheet 1 of 1

TRC Personnel: J. Fiero Well ID: MW-45

WELL INTEGRITY

Table with columns YES/NO for Protect. Casing Secure, Concrete Collar Intact, PVC Stick-up Intact, Well Cap Present, Security Lock Present.

Sampling Equipment:

Flow-thru Cell Volume: 150 mL

PID SCREENING MEAS.

Table with columns Background, Well Mouth and values 0.0, 0.0.

Protective Casing Stick-up (from ground) ft.

Riser Stick-up (from ground) ft.

WELL DIAMETER 2 inch, 4 inch, 6 inch.

WELL MATERIAL

PVC, SS checkboxes.

Well Depth 18.8 ft. top of riser, top of casing, measured, historical checkboxes.

Water Depth 11.47 ft. LNAPL/DNAPL Depth =

LOW FLOW DATA

Depth of pump intake: Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 30 mL/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 30

Volume of water purged: ~1.3 Liters

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Table with columns Time (1410-1440) and rows Temp. (C), Conduct. (µmhos/cm), DO (mg/l), pH (Std. Units), Eh/ORP (millivolts), Turbidity (NTU), Flow (ml/min), Depth To Water (ft).

Table with columns Time and rows Temp. (C), Conduct. (µmhos/cm), DO (mg/l), pH (Std. Units), Eh/ORP (millivolts), Turbidity (NTU), Flow (ml/min), Depth To Water (ft). Includes Stabilization Criteria* (3 consecutive readings).

Pump Type

Peristaltic Pump, Submersible Pump, Bladder Pump, Other:

Purge, Sample checkboxes.

Comments:

YSI 600 XL, Thermo 580 B OED Sample Pro bladder pumps, teflon-lined tubing, Lamotte

Table with columns Analytical Parameter, Filtered (Y/N), Preservation, Volume, Time Collected, QC, Sample #. Rows include PCB, SVOC, VOC, Metals.

Filtered, Unfiltered

APPENDIX D

LABORATORY REPORTS
“Submitted on CD”

APPENDIX E

LETTER TO EPA DATED SEPTEMBER 12, 2013



Wannalancit Mills
650 Suffolk St., Suite 200
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.trcsolutions.com

September 12, 2013

Kimberly N. Tisa, PCB Coordinator
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912

**RE: Polychlorinated Biphenyl (PCB) Impacted Soils Pre-characterization
101 Greenwood Street, New Bedford, Massachusetts
Subset of the Acquired Residential Properties**

Dear Ms. Tisa:

This letter presents the results of the polychlorinated biphenyl (PCB) soil pre-characterization investigation at 101 Greenwood Street in New Bedford, Massachusetts (the Site) and seeks concurrence from the United States Environmental Protection Agency (EPA) that the pre-characterization is complete. The investigation was conducted per the methodology set forth in the *Release Abatement Measure Plan, Soil Excavation and Removal at the Acquired Residential Properties, Parker Street Waste Site, New Bedford, Massachusetts*, December 2012 (hereinafter "RAM Plan"), as approved by EPA in a letter to the City of New Bedford (City) Department of Environmental Stewardship dated December 10, 2012 (found in Appendix A of the RAM Plan). Relevant excerpts from the RAM Plan as well as the EPA letter are provided as Attachment A for your convenience. Please be advised that results are being presented for only 101 Greenwood Street at this time; sampling results from 102 Greenwood Street will follow shortly under separate cover upon completion of the pre-characterization investigation at that property.

Synopsis of Soil Pre-Characterization Activities

Soil pre-characterization sampling was conducted at the Site during April 2-5, 2013, May 15-16, 2013, and on June 19, 2013.

Boring locations were surveyed and marked in advance by a surveyor (Land Planning, Incorporated of Hansen, Massachusetts). Drilling services and equipment were provided

by New England Geotech, LLC of Jamestown, Rhode Island, under TRC Environmental Corporation (TRC) field supervision.

The soil pre-characterization was targeted at proposed remedial excavation areas where soil with PCB concentrations in excess of 50 milligrams per kilogram (mg/kg) was encountered in prior investigations. The pre-characterization was performed per the methodology set forth in the RAM Plan which was coordinated with you in advance. A total of 69 soil borings were iteratively advanced at the Site via Geoprobe® direct push methods using a truck- or track-mounted drill rig. The borings were located using a 1.5-meter sampling grid overlaid on the proposed excavation areas per 40 CFR §761.283. The boring locations are illustrated on the Pre-characterization Investigation Plan provided as Figure 1.

Soil samples from the borings were visually examined in the field for evidence of potential impacts and field screened with a photoionization detector (PID) using the Massachusetts Department of Environmental Protection (MassDEP) jar headspace methodology. Samples were collected and analyzed from boring locations within the proposed excavation areas at the proposed depths of the excavations, and from borings located along the edges of the proposed excavations at pre-determined depths corresponding to the previously identified PCB impacts in those areas. Deeper samples were analyzed from the borings located within the proposed excavation areas when initial sample results indicated PCB concentrations greater than or equal to 50 mg/kg, and additional borings were advanced outwardly per the 1.5 meter grid when PCBs were detected in soil at those levels in borings along the edges of the proposed excavations. Soil boring logs are included in Attachment B.

The soil samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, Massachusetts for analysis. The samples were extracted using SW-846 Method 3540C (Soxhlet extraction) and analyzed for PCBs using SW-846 Method 8082.

All PCB Aroclor sample data were assessed using the EPA New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, revised December 1996. Modification of these guidelines was performed to accommodate the non-CLP methodology. Although there were select QC nonconformances, the data are valid as reported and may be used for decision-making purposes. Data validation reports are included on disc in Attachment C (and in a zip-file for e-mail transmission).

Pre-characterization Results

A total of 171 soil samples were collected and analyzed for PCBs during the pre-characterization investigation at the Site. Total PCB concentrations greater than 50 mg/kg were detected in a total of 18 samples across 14 boring locations. Sample concentrations greater than 50 mg/kg PCBs ranged from 53 mg/kg at sample location 1014DSB1 to 7,600 mg/kg at sample location 1014DSB3-A. The pre-characterization investigation sample results are provided in Table 1 and the laboratory analytical reports are included on disc in Attachment D (and in a zip-file for e-mail transmission). Pre-

characterization investigation soil boring and historical soil sample locations, and the sample concentrations in excess of 50 mg/kg, are shown on Figure 1; boring locations and sample depths with no PCB concentrations detected above 50 mg/kg are also provided. Refer to Table 1 for the complete list of investigation results.

In accordance with the conditional approval provided by EPA in the December 10, 2012 letter to the City, TRC is submitting the investigation results prior to conducting soil removal actions at the Site along with a revised remedial plan for the work due to the increase in soil volume. Your concurrence on the completeness of the pre-characterization investigation is sought before we finalize plans for remedy.

Revised Remedial Plan

The remedial plan for the Site will be revised to include each pre-characterization sample location with PCB concentrations greater than or equal to 50 mg/kg. Effectively, the previously proposed excavation areas are merged into one larger excavation. Given the detailed level of characterization obtained, TRC proposes to forgo excavating 6 inches beyond the depth where results less than 50 mg/kg were obtained as previously approved, which will mitigate the proposed excavation volume.

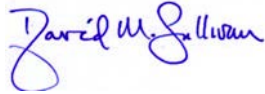
The lateral limits of the proposed excavation on the 101 Greenwood Street parcel are delimited where sidewall pre-characterization confirmatory sampling results are less than 50 mg/kg, as shown on Figure 1. The excavation will extend to the depth of pre-characterization confirmatory results less than 50 mg/kg as well, generally to a depth of 7 feet below grade, with the exception of the southern portion of the excavation which will extend slightly deeper based on the pre-characterization data from that area. Specifically, in the southwestern portion of the excavation in the vicinity of boring location 1014DSB1 the excavation will extend to 11 feet below grade, and in the southern portion of the excavation in the vicinity of boring 1014DSB1-A the excavation will extend to 8 feet deep, due to PCB concentrations above 50 mg/kg extending deeper in these locations.

Please contact the City as soon as possible with your concurrence. The City anticipates conducting the soil removal activities at the Site during the 2013 construction season.

We look forward to discussing this letter at your earliest convenience. If you have any questions, please call me at 978-656-3565.

Sincerely,

TRC Environmental Corporation



David M. Sullivan, LSP
Sr. Project Manager

cc: Michele S.W. Paul, City of New Bedford
Molly Cote; MassDEP (by electronic PDF)

Enclosures:

- Table 1 – Summary of Pre-characterization Investigation Soil Analytical Results
- Figure 1 – Pre-characterization Investigation Plan
- Attachment A – Relevant Excerpts from December 2012 RAM Plan
- Attachment B – Soil Boring Logs
- Attachment C – Data Validation Reports (on disc)
- Attachment D – Laboratory Analytical Reports (on disc)

Tables

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					101EX1SB1				101EX1SB1-A				101EX1SB2					101EX1SB3	
		Sample Depth (ft.):					3-4.5	4.5-6	6-8	8-10	3-5	5-7	5-7	7-9	3-4.5	4.5-6	6-8	8-9	9-11	3-5	5-7
		Sample Date:					4/2/2013	4/2/2013	4/2/2013	4/2/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA															
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Aroclor-1221	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Aroclor-1232	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Aroclor-1242	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Aroclor-1248	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	2.9 J	2.4 J	0.42 UJ	9.7 U	0.12 U
	Aroclor-1254	2	2	3	3	1	0.52 U	1,300	170	1.2	0.48 U	14 J	9.0	0.99	0.48 U	43	4.1 J	3.4 J	0.42 UJ	76	0.12 U
	Aroclor-1260	2	2	3	3	1	0.69	210 U	27 U	0.15 U	5.1 J	2.5 U	2.5 U	0.49 U	0.51	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Aroclor-1262	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Aroclor-1268	2	2	3	3	1	0.52 U	210 U	27 U	0.15 U	0.48 U	2.5 U	2.5 U	0.49 U	0.48 U	6.1 U	0.69 U	0.56 U	0.42 UJ	9.7 U	0.12 U
	Total PCBs	2	2	3	3	1	0.69	1,300	170	1.2	5.1 J	14 J	9.0	0.99	0.51	43	7.0 J	5.8 J	0.42 UJ	76	0.12 U

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					101EX1SB3-	101EX1SB3-	101EX1SB4		101EX1SB5			101EX1SB6		101EX2SB1		101EX2SB1-A		101EX2SB2	
		Sample Depth (ft.):					3-5	3-5	3-5	5-7	3-5	3-5	5-7	3-5	5-7	3-5	5-7	3-5	5-7	3-5	5-7
		Sample Date:					5/15/2013	5/15/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	5/15/2013	5/15/2013	4/2/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA															
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Aroclor-1221	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Aroclor-1232	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Aroclor-1242	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Aroclor-1248	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Aroclor-1254	2	2	3	3	1	0.10 U	1.8	1.1 J	4.6 J	8.9	9.0	45	7.2	0.15 U	95 J	42	50 J	13 J	15 J	5.1
	Aroclor-1260	2	2	3	3	1	0.10 U	0.42 U	1.4 J	0.54 J	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	3.1 J	0.58 U
	Aroclor-1262	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Aroclor-1268	2	2	3	3	1	0.10 U	0.42 U	0.46 U	0.48 U	2.3 U	2.4 U	6.7 U	0.95 U	0.15 U	53 U	5.4 U	4.7 U	2.6 U	2.2 U	0.58 U
	Total PCBs	2	2	3	3	1	0.10 U	1.8	2.5 J	5.14 J	8.9	9.0	45	7.2	0.15 U	95 J	42	50 J	13 J	18.1 J	5.1

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					101EX2SB3		101EX2SB4		101EX2SB5			101EX2SB5-A		101EX2SB6	101EX2SB7	101EX2SB8		101EX2SB9	
		Sample Depth (ft.):					3-5	5-7	3-5	5-7	3-5	5-7	7-9	3-5	5-7	7-9	7-9	3-5	5-7	3-5	5-7
		Sample Date:					4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	5/15/2013	5/15/2013	4/2/2013	4/2/2013	4/2/2013	4/2/2013	4/3/2013	4/3/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA															
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Aroclor-1221	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Aroclor-1232	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Aroclor-1242	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Aroclor-1248	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Aroclor-1254	2	2	3	3	1	29 J	13	32	0.32	40 J	77	0.65	10 J	14	0.47 UJ	1.5	1.6 J	26	19	43
	Aroclor-1260	2	2	3	3	1	5.7 J	2.6 U	5.3 U	0.13 U	8.2 J	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.64 J	3.2 U	4.9 U	5.5 U
	Aroclor-1262	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Aroclor-1268	2	2	3	3	1	5.0 U	2.6 U	5.3 U	0.13 U	4.8 U	17 U	0.39 U	1.8 U	2.6 U	0.47 UJ	1.1 U	0.47 U	3.2 U	4.9 U	5.5 U
	Total PCBs	2	2	3	3	1	34.7 J	13	32	0.32	48.2 J	77	0.65	10 J	14	0.47 UJ	1.5	2.24 J	26	19	43

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.
PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					101EX2SB9-A		101EX2SB9-A1		101EX2SB10	101EX2SB11			101EX2SB12		101EX2SB13			101EX2SB13-A
		Sample Depth (ft.):					5-7	7-9	5-7	7-9	7-9	3-5	3-5	5-7	3-5	5-7	3-5	5-7	7-9	5-7
		Sample Date:					5/15/2013	5/15/2013	6/19/2013	6/19/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	5/15/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA						Field Dup								
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1221	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1232	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1242	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1248	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1254	2	2	3	3	1	76	13 J	40	12	0.44 UJ	24	29	9.4	33	0.17	8.3	75	29	5.4 J
	Aroclor-1260	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1262	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Aroclor-1268	2	2	3	3	1	9.9 U	2.9 U	4.9 U	1.4 U	0.44 UJ	4.7 U	4.7 U	2.5 U	4.9 U	0.13 U	2.4 U	11 U	2.5 U	0.47 UJ
	Total PCBs	2	2	3	3	1	76	13 J	40	12	0.44 UJ	24	29	9.4	33	0.17	8.3	75	29	5.4 J

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					101EX2SB14		101EX2SB15	101EX2SB16		101EX2SB17		101EX2SB18	101EX2SB19	101EX2SB20		101EX2SB21	101EX2SB22		
		Sample Depth (ft.):					3-5	5-7	7-9	3-5	5-7	3-5	5-7	7-9	7-9	3-5	5-7	3-4.5	3-5	5-7	7-9
		Sample Date:					4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013	4/3/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA															
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1221	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1232	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1242	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1248	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1254	2	2	3	3	1	13	2.2	0.39	0.92 U	0.33 J	12	23	3.9	0.43	4.4 J	0.13 U	1.2	15	63	0.53
	Aroclor-1260	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.17 J	2.5 U	2.8 U	1.0 U	0.24 U	1.0 J	0.19 J	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1262	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Aroclor-1268	2	2	3	3	1	2.7 U	0.48 U	0.24 U	0.92 U	0.13 U	2.5 U	2.8 U	1.0 U	0.24 U	0.45 U	0.13 U	0.51 U	2.6 U	5.4 U	0.29 U
	Total PCBs	2	2	3	3	1	13	2.2	0.39	0.92 U	0.50 J	12	23	3.9	0.43	5.4 J	0.19 J	1.2	15	63	0.53

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in **Bold and outlined** exceed TSCA but are less than the listed Method 1 standards.
Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 standards
Values shown in **bold and shaded type with red text** indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:					101EX2SB23			101EX2SB24				101EX2SB2 4-A	101EX2SB2 4-B	101EX3SB1		101EX3SB2		
		S-1/GW-2		S-1/GW-3		TSCA	3-5 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	7-9 4/4/2013	9-11 4/4/2013	5-7 5/15/2013	5-7 5/15/2013	1-2 4/4/2013	3-4 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA	Field Dup													
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U
	Aroclor-1221	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U
	Aroclor-1232	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U
	Aroclor-1242	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U
	Aroclor-1248	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U
	Aroclor-1254	2	2	3	3	1	34 J	37	32	13	800	8.7	35	0.13 U	4.7 J	1.8	3.9 J	7.9 J	7.2	30
	Aroclor-1260	2	2	3	3	1	5.4 J	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.65 J	1.7 J	1.0 U	5.7 U
	Aroclor-1262	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.49 U	1.1 U	1.0 U	5.7 U
	Aroclor-1268	2	2	3	3	1	5.0 U	4.9 U	5.2 U	2.3 U	120 U	1.9 U	6.2 U	0.13 U	0.43 U	0.47 U	0.82	1.1 U	1.0 U	5.7 U
	Total PCBs	2	2	3	3	1	39.4 J	37	32	13	800	8.7	35	0.13 U	4.7 J	1.8	5.37 J	9.6 J	7.2	30

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:					101EX3SB3			101EX3SB4			101EX3SB5	101EX3SB6			101EX3SB7			101EX3SB8
		S-1/GW-2		S-1/GW-3		TSCA	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	7-9 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	7-9 4/4/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA														
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Aroclor-1221	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Aroclor-1232	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Aroclor-1242	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Aroclor-1248	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	2.1 J	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Aroclor-1254	2	2	3	3	1	16	14	24	3.2 J	2.5 J	2.8 J	0.66	41 J	7.2 J	8.7	19 J	1.4 J	8.6 J	1.0
	Aroclor-1260	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.93 J	0.65 J	0.53 U	0.24 U	5.4 J	2.3 J	1.1 U	2.8 J	3.0 J	1.9 J	0.90 U
	Aroclor-1262	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Aroclor-1268	2	2	3	3	1	2.5 U	2.5 U	2.7 U	0.56 U	0.49 U	0.53 U	0.24 U	4.8 U	0.98 U	1.1 U	2.7 U	0.48 U	1.1 U	0.90 U
	Total PCBs	2	2	3	3	1	16	14	24	4.13 J	3.15 J	4.9 J	0.66	46.4 J	9.5 J	8.7	21.8 J	4.4 J	10.5 J	1.0

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:					101EX3SB9				101EX3SB10			101EX3SB11			101EX3SB12		
		S-1/GW-2		S-1/GW-3		TSCA	1-3 4/4/2013	3-5 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013	1-3 4/4/2013	3-5 4/4/2013	5-7 4/4/2013
							Field Dup												
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Aroclor-1221	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Aroclor-1232	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Aroclor-1242	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Aroclor-1248	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Aroclor-1254	2	2	3	3	1	15	6.4 J	7.0 J	13	16	4.0 J	18	78	4.7 J	13	12	1.5 J	5.7 J
	Aroclor-1260	2	2	3	3	1	2.4 U	1.5 J	1.4 J	2.8 U	2.6 U	1.3 J	2.5 U	13 U	1.4 J	2.6 U	2.4 U	4.2 J	1.5 J
	Aroclor-1262	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Aroclor-1268	2	2	3	3	1	2.4 U	1.1 U	1.1 U	2.8 U	2.6 U	0.50 U	2.5 U	13 U	0.50 U	2.6 U	2.4 U	0.59 U	0.56 U
	Total PCBs	2	2	3	3	1	15	7.9 J	8.4 J	13	16	5.3 J	18	78	6.1 J	13	12	5.7 J	7.2 J

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and outlined** exceed TSCA but are less than the listed Method 1 standards.

Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 standards

Values shown in **bold and shaded type with red text** indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					101EX3SB13			101EX3SB14				1014DSB1				
		Sample Depth (ft.):					1-3	3-5	5-7	1-3	3-5	4	5-7	3-5	5-7	7-9	9-11	11-13
		Sample Date:					4/4/2013	4/4/2013	4/4/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	5/16/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA												
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Aroclor-1221	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Aroclor-1232	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Aroclor-1242	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Aroclor-1248	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Aroclor-1254	2	2	3	3	1	4.6 J	0.74	11	18	1.5 J	1.9 J	16	1.9 J	2.1 J	95	53 J	0.48 UJ
	Aroclor-1260	2	2	3	3	1	0.95 J	0.51 U	2.7 U	2.3 U	0.84 J	0.93 J	2.8 U	0.71 J	0.84 J	10 U	8.5 UJ	0.48 UJ
	Aroclor-1262	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Aroclor-1268	2	2	3	3	1	0.49 U	0.51 U	2.7 U	2.3 U	0.51 U	0.49 U	2.8 U	0.52 U	0.51 U	10 U	8.5 UJ	0.48 UJ
	Total PCBs	2	2	3	3	1	5.55 J	0.74	11	18	2.34 J	2.83 J	16	2.61 J	2.94 J	95	53 J	0.48 UJ

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards

Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					1014DSB1-A					1014DSB1-B				1014DSB2			1014DSB3		
		Sample Depth (ft.):					3-5	5-7	7-9	9-11	9-11	3-5	5-7	7-9	9-11	3-5	5-7	7-9	3-5	5-7	7-9
		Sample Date:					5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	5/15/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA	Field Dup														
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1221	2	2	3	3	1	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1232	2	2	3	3	1	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1242	2	2	3	3	1	0.54 U	0.76 U	0.83 U	1.2 U	0.96 U	0.48 U	2.6 U	0.79 U	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1248	2	2	3	3	1	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1254	2	2	3	3	1	1.4 J	1.5 J	3.0 J	1.3 J	1.6 J	1.4 J	18	3.7 J	0.43 J	4.7 J	26	9.2 J	120	470	44
	Aroclor-1260	2	2	3	3	1	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ	1.5 J	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1262	2	2	3	3	1	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Aroclor-1268	2	2	3	3	1	0.54 UJ	0.76 UJ	0.83 UJ	1.2 UJ	0.96 UJ	0.48 UJ	2.6 U	0.79 UJ	0.36 UJ	0.52 U	2.3 U	1.4 UJ	10 U	50 U	8.2 U
	Total PCBs	2	2	3	3	1	1.4 J	1.5 J	3.0 J	1.3 J	1.6 J	1.4 J	18	3.7 J	0.43 J	6.2 J	26	9.2 J	120	470	44

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.
PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:					1014DSB3-A				1014DSB3-A1			1014DSB3-A1A		1014DSB3-B		1014DSB3-B-1	
							3-5	5-7	7-9	9-12	5-7	7-9	9-11	5-7	7-9	3-5	5-7	5-7	7-9
							5/15/2013	5/15/2013	5/15/2013	5/15/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	5/15/2013	5/15/2013	5/16/2013	5/16/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA													
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Aroclor-1221	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Aroclor-1232	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Aroclor-1242	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Aroclor-1248	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Aroclor-1254	2	2	3	3	1	1.5 J	7,600	21	1.7 J	140	81	8.8	2.7	19	0.50 UJ	15	24 J	26 J
	Aroclor-1260	2	2	3	3	1	0.99 J	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.93	2.7 U	1.1 J	2.5 U	5.2 U	4.1 U
	Aroclor-1262	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Aroclor-1268	2	2	3	3	1	0.50 UJ	2,600 U	3.0 U	0.51 UJ	25 U	11 U	0.90 U	0.47 U	2.7 U	0.50 UJ	2.5 U	5.2 U	4.1 U
	Total PCBs	2	2	3	3	1	2.49 J	7,600	21	1.7 J	140	81	8.8	3.63	19	1.1 J	15	24 J	26 J

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards

Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Analytical Results -- April, May and June 2013
101 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					1016ASB1					1016ASB1-A	1016ASB1-B	1016ASB2					1016ASB3			
		Sample Depth (ft.):					1-3	3-5	3-5	5-7	7-9	1-3	1-3	1-3	1-3	3-5	5-7	7-9	1-3	3-5	5-7	7-9
		Sample Date:					4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	5/15/2013	5/15/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013	4/5/2013
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA	Field Dup					Field Dup										
PCBs (mg/kg)	Aroclor-1016	2	2	3	3	1	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1221	2	2	3	3	1	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1232	2	2	3	3	1	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1242	2	2	3	3	1	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1248	2	2	3	3	1	9.2 U	1.1 U	1.1 J	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.59 J	0.99 U	0.58 U	0.45 U	0.63 J	0.26 U	0.63 U
	Aroclor-1254	2	2	3	3	1	95	13	4.6 J	0.50	1.8	40	26	25	20	2.8 J	7.8	1.9	2.3 J	3.5 J	0.49	1.7
	Aroclor-1260	2	2	3	3	1	9.2 U	1.1 U	1.3 J	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	1.3 J	0.99 U	0.58 U	0.82 J	0.91 J	0.26 U	0.63 U
	Aroclor-1262	2	2	3	3	1	9.2 U	1.1 U	0.52 U	0.49 U	0.67 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	0.45 U	0.51 U	0.26 U	0.63 U
	Aroclor-1268	2	2	3	3	1	9.2 U	1.1 U	0.52 U	0.49 U	1.0 U	4.6 U	4.6 U	2.4 U	2.4 U	0.50 U	0.99 U	0.58 U	0.45 U	0.51 U	0.26 U	0.63 U
	Total PCBs	2	2	3	3	1	95	13	7.0 J	0.50	1.8	40	26	25	20	4.69 J	7.8	1.9	3.12 J	5.04 J	0.49	1.7

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
J - Estimated value.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated non-detect.
Values in **Bold** indicate the compound was detected.

Values shown in Bold and outlined exceed TSCA but are less than the listed Method 1 standards.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 standards
Values shown in bold and shaded type with red text indicate concentrations greater than 50 mg/kg.
PCBs - Polychlorinated Biphenyls.
TSCA - Toxic Substances Control Act criteria.

Figure

TSCA PRE-CHARACTERIZATION DATA SUMMARY

THE SOIL SAMPLE DEPTH INTERVALS ANALYZED ARE SHOWN BELOW FOR TSCA DELINEATION BORINGS AND PROXIMATE HISTORICAL BORINGS THAT DID NOT EXHIBIT TOTAL PCB CONCENTRATIONS GREATER THAN 50 MG/KG IN SOIL SAMPLES COLLECTED FROM ANY DEPTH. TSCA DELINEATION BORING LOCATIONS THAT DID EXHIBIT TOTAL PCB CONCENTRATIONS GREATER THAN 50 MG/KG IN SOIL SAMPLES COLLECTED FROM AT LEAST ONE DEPTH INTERVAL ARE SHOWN ON PLAN VIEW INSETS (THIS PAGE).

GROUP I.D. → 101 EX1
(FOR SAMPLE ID REFERENCE ONLY)
LOCATION I.D. → SB4
SAMPLE DEPTH INTERVALS → 3-5, 5-7
R INDICATES REFUSAL

101 EX1

SB2	SB4	SB5	SB6
3-4.5	3-5	3-5	3-5
4.5-6	5-7	5-7	5-7
6-8			
8-9			
9-11			

101 EX2

SB2	SB3	SB4	SB6	SB7	SB8	SB9	SB9-A1	SB10	SB11
3-5	3-5	3-5	7-9	7-9	3-5	3-5	5-7	7-9	3-5
5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7

101 EX3

SB1-A	SB3-A	SB3-B
3-5	3-5	3-5
5-7		
7-9		

1014D

SB1-A	SB1-B	SB2
3-5	3-5	3-5
5-7	5-7	5-7
7-9	7-9	7-9
9-11	9-11	

1016A

SB2	SB3
1-3	1-3
3-5	3-5
5-7	5-7
7-9	7-9

101 EX3

SB1	SB2	SB3	SB4	SB5	SB6	SB7
1-2	1-3	1-3	1-3	7-9	1-3	1-3
3-4	3-5	3-5	3-5	3-5	3-5	3-5
R	5-7	5-7	5-7	5-7	5-7	5-7

101 EX3

SB8	SB9	SB10	SB12	SB13	SB14
7-9	1-3	1-3	1-3	1-3	1-3
	3-5	3-5	3-5	3-5	3-5
	5-7	5-7	5-7	5-7	5-7

HISTORICAL 101 GREENWOOD ST.

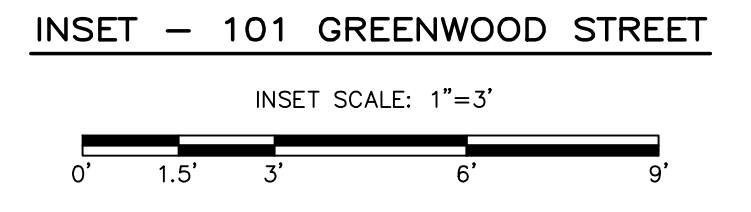
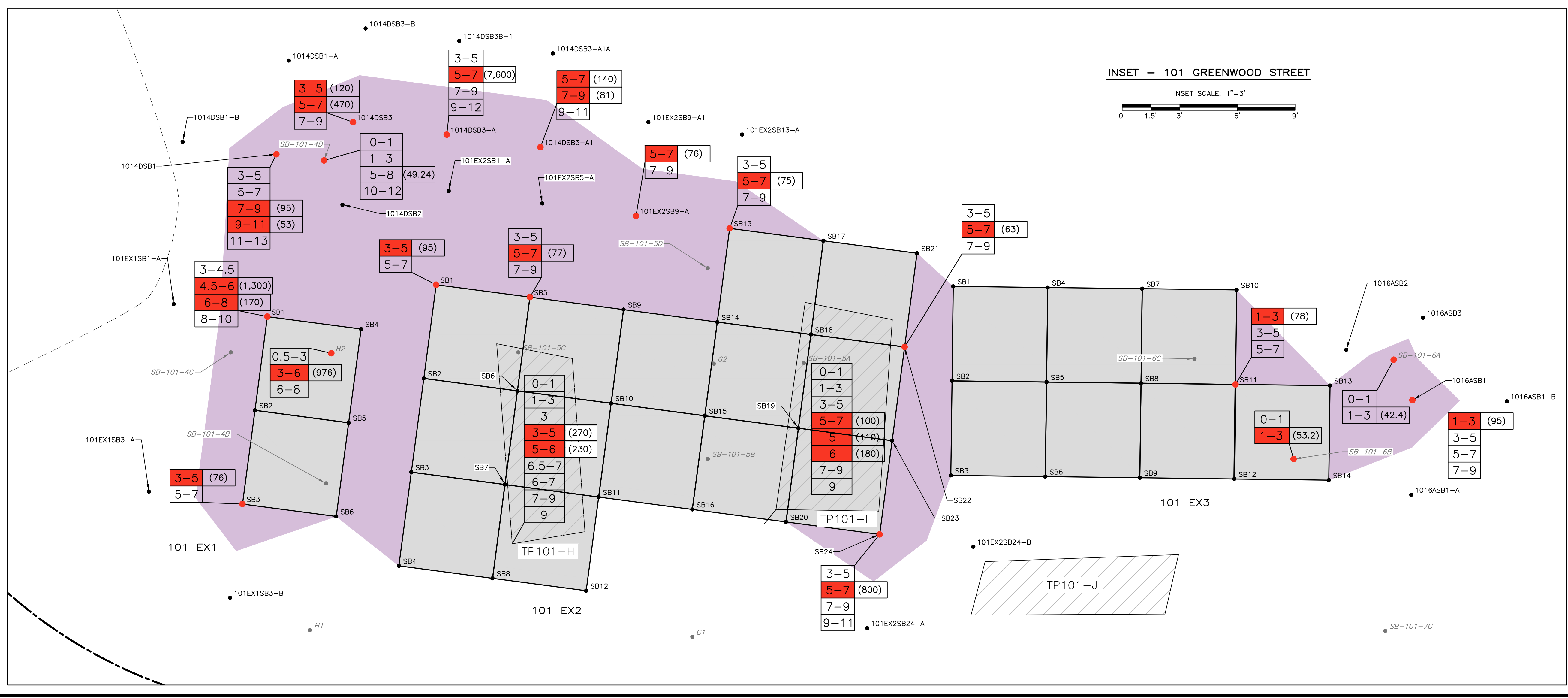
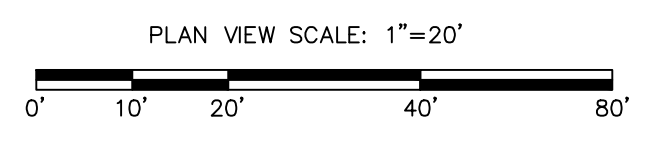
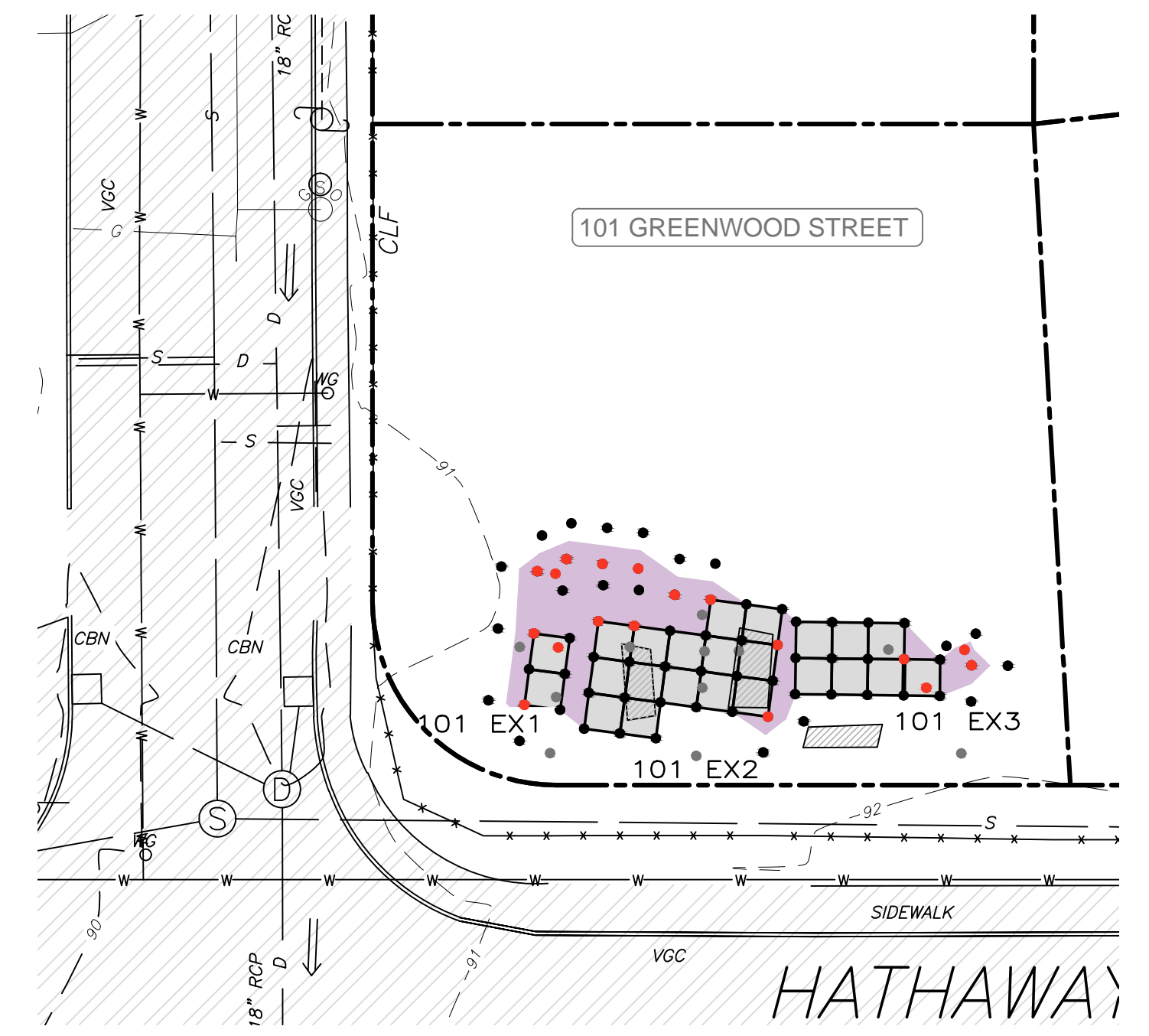
SB-101-4B	SB-101-4C	SB-101-4D	SB-101-6A	SB-101-6C	SB-101-7C
0-1	0-1	0-1	0-1	0-1	0-1
1-3	1-3	1-3	1-3	1-3	1-3
4-7	4-9	5-8			
9-11	10-12	10-12			

SB-101-5A	SB-101-5B	SB-101-5C	SB-101-5D	TP-101-I	G2
0-1	0-1	0-1	2-3.5	3-5	0.5-3
1-3	1-3	1-3	4-6	5-7	0-1
3-5	5-6	10.5-12	8-10	8	3-6
10-12	9-11				6-9

H1
1-3

LEGEND - PRE-CHARACTERIZATION

- AREA ORIGINALLY PROPOSED FOR EXCAVATION (CONTAINS PCBs > 50 MG/KG)
- FINAL PROPOSED EXCAVATION AREA, FOLLOWING ADDITIONAL FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- PREVIOUS SITE CHARACTERIZATION BORING (PCB CONCENTRATION < 50 MG/KG)
- TSCA PRECHARACTERIZATION DELINEATION BORING LOCATION (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG AT ONE OR MORE SAMPLE DEPTH INTERVALS)
- PREVIOUSLY INVESTIGATED TEST PIT
- TSCA PRECHARACTERIZATION DELINEATION SAMPLE DEPTH INTERVALS (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG WITHIN THAT INTERVAL)
- LISTS TOTAL PCB CONCENTRATION IN MG/KG IDENTIFIED IN SOIL AT THAT DEPTH INTERVAL



DRAFT

101 GREENWOOD STREET
(ACQUIRED RES. PROPERTIES)
NEW BEDFORD, MA

PRE-CHARACTERIZATION
INVESTIGATION PLAN

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

FIGURE
1

DRAWN BY: DMP
CHECKED BY: DNP

DATE:
AUGUST 2013

FILE: J:\Projects\115058 - New Bedford\APP - RAM Plan 2013\60 Percent Design\CAD\G-10 - Site Investigation Plan_05.dwg

Attachment A



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCsolutions.com

August 15, 2012

Kimberly N. Tisa, PCB Coordinator
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912

**RE: Request for Concurrence on Regulatory Opinion
Remediation of Polychlorinated Biphenyl (PCB) Impacted Soils**
Subset of the Acquired Residential Properties
101 and 102 Greenwood Street and 118 Ruggles Street
New Bedford, Massachusetts

Dear Ms. Tisa:

This purpose of this letter is to seek concurrence on a regulatory opinion from the United States Environmental Protection Agency (EPA) for the regulatory classification of polychlorinated biphenyl (PCB) impacted soil targeted for potential remedial actions by the City of New Bedford (City) at the three above-referenced properties (Subject Properties). The remedial actions are proposed to be conducted as part of the performance of a Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Release Abatement Measure (RAM), or other MCP-compliant response action, to address soil impacts. Consistent with certain past soil remedies performed by the City with joint MCP/Toxic Substances Control Act (TSCA) jurisdiction, the intent of the remediation activity would be to conduct the work per both 40 CFR Part 761 and the MCP, subject to EPA concurrence for the TSCA components.

The remedial actions are currently in the planning stages and will be overseen by the City's Licensed Site Professional (LSP) and the Massachusetts Department of Environmental Protection (MassDEP). EPA's concurrence on the approach set forth herein will allow the City to efficiently integrate the planning for soil remediation under joint MassDEP/EPA jurisdiction.

Background

The City's understanding of the nature and extent of soil contamination on these properties is based on technical reports prepared by The BETA Group, Incorporated

(BETA) and work performed by TRC Environmental Corporation (TRC) as cited below, specifically:

- *Summary of Analytical Data Volumes I and II, Properties Located on: Greenwood Streets, Ruggles Street, Durfee Street, New Bedford, Massachusetts.* Prepared by BETA Group, Inc., March 15, 2006.
- *Summary of Analytical Data 102 Greenwood Street, New Bedford, Massachusetts.* Prepared by BETA Group, Inc., September 14, 2006.
- *Data Summary Report, 102 Greenwood Street, New Bedford, Massachusetts.* Prepared by TRC Environmental Corporation, July 2008.
- *Memorandum. Residential Foundation Sampling Results, Acquired Residential Properties, New Bedford, Massachusetts.* Prepared by TRC Environmental Corporation, May 18, 2010.
- *Phase II Comprehensive Site Assessment, Acquired Residential Properties and Nemasket Street Lots Portion of the Parker Street Waste Site, New Bedford, Massachusetts.* Prepared by TRC Environmental Corporation, January 2012.

Technical Approach

Some of the anticipated soil remediation activities at the three Subject Properties may potentially be subject to EPA jurisdiction under the Federal PCB regulations under 40 CFR Part 761. The following information for the three Subject Properties is provided in Table 1 (see below) to facilitate EPA's evaluation of potential regulatory applicability, particularly with regard to the application of the definition of PCB Remediation Waste with respect to the soil under 40 CFR Part 761.3.

Table 1 – Information Summary for the Three Subject Properties							
Location	Number of PCB soil samples	Number of soil samples >50 mg/kg	Max. PCB Conc. (mg/kg)	Depth of Max. Detected (feet)	Last Date of Parcel Ownership by City*	Date of Residence Construction	Foundation Type
118 Ruggles St.	39	1	59.1	2.75-4	1941**	1988	Basement
101 Greenwood St.	105	4	976	3-6	1949	2000	SLG
102 Greenwood St.	113	6	8,280	5-7	N/A	1986	SLG

Notes:

mg/kg – milligrams per kilogram

*- Before the City's recent re-acquisition of the parcels in 2008.

**-. Tax title issues in 1992/1993. The parcel had been developed by others as a residence by that time.

SLG – slab on grade

N/A – Not applicable. Not in chain of title until acquisition by the City in 2008.

As noted in the above table, the three Subject Properties each have at least one detection of total PCBs (as Aroclors) in soil at a concentration greater than 50 milligrams per kilogram (mg/kg): 118 Ruggles Street at one sample location (A15); 101 Greenwood Street at four sample locations (H2, SB-101-6B, TP101-H, and TP101-I); and 102 Greenwood Street at six sample locations SB-185, SB-102-6, SB-102-8A, SB-102-8B, SB-102-8C, and SB-102-8D. The soil sample locations are illustrated on Figures 1 through 3 (attached). All other soil sample results are below the 50 mg/kg total PCB TSCA threshold. Note that all soil characterization data for these properties is contained

in the January 2012 *Phase II Comprehensive Site Assessment, Acquired Residential Properties and Nemasket Street Lots Portion of the Parker Street Waste Site, New Bedford, Massachusetts* listed above.

A thorough review of all available information (maps, aerial photographs, etc) indicates that soils located at the Subject Properties were in place by or before 1965.

The available information indicates that the soils impacted at 50 mg/kg total PCBs or above at the Subject Properties have remained in place undisturbed since before April 1978 (other than potential disturbance during the investigative and/or other response action activities conducted with EPA and/or MassDEP acknowledgment and/or oversight such as the building demolitions and exploratory test pits, or in one case by contractors working on behalf of EPA), and the properties are not believed to be impacted by unauthorized PCB uses.

As noted in Table 1, all of the residences were constructed post-1978. Two out of the three residential structures (those formerly present on the 101 and 102 Greenwood Street parcels) were of slab-on-grade construction (abbreviated as "SLG" in Table 1 and hereinafter). The former 118 Ruggles Street residence had a basement.

The SLG residences were formerly located at 101 Greenwood Street and 102 Greenwood Street. As a result, the degree of post-1978 disturbance of PCB impacted soil at these parcels due to residence construction was non-existent due to the shallow depth of foundation slab placement. The principally impacted stratum (i.e., fill), located at depth, was not disturbed during foundation construction. In addition, excavations for buried utilities at 101 and 102 Greenwood Street all originated on the western sides of the residential buildings and are not near, nor do they run through, the areas of PCB soil impacts at concentrations over 50 mg/kg as illustrated on Figures 1 through 3. Photographs illustrating utility mark-outs and infrastructure for the buried utilities at 101 and 102 Greenwood Street are provided as an attachment. Even if the buried utilities were located in the areas of impact noted herein, any trenching for water, sewer or natural gas service connections would have been limited, narrow, localized, and singular events, and therefore inconsequential for any perceived concentration dilution. However, since they are not located in the areas of impact noted herein, there has been no utility-related post-1978 disturbance of TSCA regulated PCB impacted soil at these locations.

The 118 Ruggles Street residence had a basement foundation system. However, at 118 Ruggles Street, based on a total of 39 soil samples analyzed, the total PCB concentrations in soil range from undetected to 59.1 mg/kg. The one soil result that was greater than 50 mg/kg is located in the northwest corner of the lot at a depth of 2.75 to 4 feet below grade, approximately 25 feet from the location of the foundation for the former residence. TRC understands that EPA concurs that TSCA jurisdiction at 118 Ruggles Street applies only to this northwest corner of the parcel since it is in a relatively remote location in the yard of the former residence that could not have been disturbed by residence construction.

Based on the lines of evidence presented in this letter and summarized in Table 2 (see below), a PCB Remediation Waste cut-off of 50 mg/kg is applicable to the impacted

soil/fill at these three locations (101 and 102 Greenwood Street and the northwest corner of the 118 Ruggles Street lot).

Table 2 – Summary of Regulatory Classification Opinion for Soil					
Location	Pre-1978 Disposal?	Number of soil samples >50 mg/kg	Associated with unauthorized use?	Post-1978 Disturbance of PCB Deposition?	Notations
118 Ruggles St.	Yes	1	No	None (PCBs impact localized to NW corner)	<ul style="list-style-type: none"> ▪ One localized detection >50 mg/kg. ▪ Remote location in former yard (approx. 25 feet from former building foundation).
101 Greenwood St.	Yes	4	No	None (No impacts from post-1978 utility and/or SLG foundation excavations)	<ul style="list-style-type: none"> ▪ Shallow SLG foundation system. ▪ No disturbance of impacted fill.
102 Greenwood St.	Yes	6	No	None (No impacts from post-1978 utility and/or SLG foundation excavations)	<ul style="list-style-type: none"> ▪ Shallow SLG foundation system. ▪ No disturbance of impacted fill.

Notes:
 mg/kg – milligrams per kilogram
 PCB – polychlorinated biphenyl
 SLG – slab on grade
 NW - northwest

PCB Soils Confirmatory Sampling and Excavation Approach

The following outlines the approach to the confirmatory sampling and excavation of TSCA regulated PCB soil. This approach has been designed to be consistent with the confirmatory sample collection and excavation approach utilized at the New Bedford High School (NBHS) at the HF-31 soil sample/excavation location (documented in MCP reports for NBHS). The City is proposing this approach to expedite the work and to avoid leaving open excavations in a residential area (albeit on fenced lots) while post-excavation analytical results are being processed. In addition, the City will also be able to examine the laboratory data to evaluate its validity and usability before starting the excavation work.

All records of the excavation, confirmatory sampling, waste manifests, and certificates of disposal for this remedial activity will be maintained and included in either a MCP RAM Status Report, or a MCP RAM Completion Report, as appropriate. The RAM-related MCP documents will be available for inspection at any time by a representative of the EPA at the MassDEP Office located in Lakeville, Massachusetts or on the City’s website.

Representative quality control samples will also be collected during implementation of this approach. This will include field duplicate, matrix spike and matrix spike duplicate samples collected at a frequency of one per twenty samples.

All sampling equipment will be decontaminated prior to use and between each discreet sample in accordance with the self-implementing decontamination procedures set forth

under 40 CFR Part 761.79(c)(2)(i), consisting principally of a solvent swab of tools, moveable equipment, and sampling instruments that come into direct contact with potentially contaminated soil. Under the self-implementing decontamination approach, spent solvents and solvent-soaked rags from decontamination activities will be managed for disposal via incineration at an appropriately permitted facility per 40 CFR Part 761.79(g)(3), (4) or (5).

Confirmation samples will be taken in accordance with 40 CFR §761.283 to evaluate excavation limits sufficient to remove all PCB Remediation Waste soils as follows and submitted for laboratory analysis of PCBs by SW-846 Method 8082A using extraction method 3540C.

118 Ruggles Street

A total PCB concentration greater than 50 mg/kg was detected at sample location A15 at 2.75 to 4 feet deep. Based on a review of information supplied by EPA, this location was previously excavated by EPA during a removal action performed at the adjacent property at 128 Ruggles Street. The City requests all documentation and supporting laboratory data to evaluate post-removal conditions and support closure under the MCP process.

101 Greenwood Street

Total PCB concentrations greater than 50 mg/kg were detected at sample locations H2 at 3-6 feet, at sample location SB-101-6B at 1-3 feet, at sample location TP101-H at 3-6 feet, and at sample location TP101-I at 5-7 feet. At sample location H2, PCBs were detected at a concentration of 3.7 mg/kg at 6-8.5 feet. A sample was not taken below 3 feet at sample location SB-101-6B. At sample location TP101-H, PCBs were detected at a concentration of 1.3 mg/kg at 6.5-7 feet. At sample location TP101-I, PCBs were undetected in native material at 9 feet.

At test pits TP101-A, TP101-B, TP101-C, TP101-D, TP101-E, and TP101-F, the test pit logs indicate the potential presence of potential PCB containing materials. Confirmatory grab samples will therefore be taken from the test pit sidewalls.

At test pit TP101-J, sampling results did not indicate the detection of total PCBs at a concentration warranting excavation.

Pre-excavation confirmatory “grab” samples will be taken from the sidewalls of the excavation of sample location H2 at a frequency of one sample per 1.5 meters of sidewall, as identified on Figure 2. Additional pre-excavation confirmatory samples will be collected based on a 1.5 x 1.5 meter grid if any confirmatory sample results indicate a concentration greater than or equal to 50 mg/kg total PCBs.

A pre-excavation confirmatory grab sample will be taken at sample location SB-101-6B at a depth of 4 feet, and at additional intervals if the confirmatory sample results indicate a concentration greater than or equal to 50 mg/kg total PCBs.

At sample location SB-101-6B, the excavation will over excavated 6 inches below acceptable confirmatory results. Lateral limits will be determined to be where sidewall confirmatory sampling results are less than 50 mg/kg. Where field conditions allow, sidewalls will be over-excavated 6 inches beyond the aforementioned limits as a conservative measure.

At each excavation location on the 101 Greenwood Street parcel (i.e., sample location H2 and the adjacent test pit TP101-A, and test pits TP101-B, TP101-C, TP101-D, TP101-E, TP101-F, TP101-H, and TP101-I), the excavations depth will be to 6 inches into native material at an approximate depth of 9 feet. Lateral limits will be determined to be where sidewall confirmatory sampling results are less than 50 mg/kg. Where field conditions allow, sidewalls will be over-excavated 6 inches beyond the aforementioned limits as a conservative measure.

Additional samples will be taken at sample locations SB-101-4D and SB-101-6A in light of previous sample results approaching 50 mg/kg total PCBs (49.2 mg/kg and 42.4 mg/kg, respectively). At each of the locations, three borings will be placed surrounding the locations indicated on Figure 2. Samples will be taken at 3-5 feet, 5-7 feet, and 7-9 feet and analyzed for total PCBs. If any of these samples indicate a concentration greater than or equal to 50 mg/kg total PCBs, the locations will be excavated. If this scenario occurs, confirmatory grab samples will be taken from the sidewalls at a frequency of one sample per 1.5 meters of sidewall. Additional pre-excavation confirmatory samples would be collected if any confirmatory sample results indicate a concentration greater than or equal to 50 mg/kg total PCBs. Lateral limits will be determined to be where sidewall confirmatory sampling results are less than 50 mg/kg. Where field conditions allow, sidewalls will be over-excavated 6 inches beyond the aforementioned limits as a conservative measure.

102 Greenwood Street

Total PCB concentrations greater than 50 mg/kg were detected at sample locations SB-185, SB-102-6, SB-102-8A, SB-102-8B, SB-102-8C, and SB-102-8D. Native material was observed at a depth of approximately 7.5 feet at each location, and PCB concentrations range from undetected to 0.32 mg/kg in the native material.

At test pit TP102-C, the test pit log indicated the potential presence of PCB containing materials; however, no soil samples from this test pit were analyzed for PCBs. Confirmatory “grab” samples will therefore be taken from the test pit sidewalls.

Pre-excavation confirmatory “grab” samples will be taken from the sidewalls at a frequency of one sample per 1.5 meters of sidewall, as identified on Figure 1. Additional pre-excavation confirmatory samples based on a 1.5 x 1.5 meter grid will be collected if any confirmatory sample results indicate a concentration greater than or equal to 50 mg/kg total PCBs.

A confirmatory grab sample will be taken at sample location SB-102-6 at 4 feet deep, and at additional intervals if the confirmatory sample results indicate a concentration greater than or equal to 50 mg/kg total PCBs.

At sample location SB-102-6, the excavation will over excavated 6 inches deeper than acceptable confirmatory results. Lateral limits will be determined to be where sidewall confirmatory sampling results are less than 50 mg/kg. Where field conditions allow, sidewalls will be over-excavated 6 inches beyond the aforementioned limits as a conservative measure.

At sample locations SB-185, SB-102-8A, SB-102-8B, SB-102-8C, SB-102-8D, and at test pit TP102-C, the excavation depth will be 8.5 feet (over excavating 6 inches deeper than prior acceptable sampling results in the 8-10 foot interval). Lateral limits will be determined to be where sidewall confirmatory sampling results are less than 50 mg/kg. Where field conditions allow, sidewalls will be over-excavated 6 inches beyond the aforementioned limits as a conservative measure.

We look forward to discussing this letter at your earliest convenience. If you have any questions, please call me at 978-656-3565.

Sincerely,

TRC Environmental Corporation



David M. Sullivan, LSP
Sr. Project Manager

cc: Michele S.W. Paul, Cheryl Henlin; City of New Bedford
Molly Cote; Massachusetts Department of Environmental Protection (by electronic PDF)

102 GREENWOOD STREET

CLF

HATHAWAY BOULEVARD

SB-102-9 12/16/10	0.00 - 1.00	Field Dup	0.00 - 1.00	1.00 - 3.00
Constituent				
Total PCBs	0.058 U	0.178 J	0.246 J	

SB-102-9

SB-102-8A 12/16/10	0.00 - 1.00	1.00 - 3.00	5.00 - 6.00	7.00 - 9.00
Constituent				
Total PCBs	0.3622 J	3.14 J	5.29 J	0.0869 J

TP102-C

SB-102-8D
MW-36

SB-102-8D 12/16/10	0.00 - 1.00	1.00 - 3.00	5.00 - 7.00	8.00 - 10.00
Constituent				
Total PCBs	0.0931 J	3.562 J	8.280 J	0.52 U

SB-187

SB-187 06/09/08	4.00 - 4.00	6.00 - 6.00		
Constituent				
Total PCBs	0.2699 J	5.88 J		

SB-185 06/09/08	2.00 - 2.00	4.00 - 4.00	6.00 - 6.00	
Constituent				
Total PCBs	68.3 J	45.7 J	10.7 J	

SB-102-8B 12/16/10	0.00 - 1.00	1.00 - 3.00	5.00 - 6.00	7.00 - 9.00
Constituent				
Total PCBs	6.22 J	83.3 J	37.4 J	0.0561 U

SB-102-12 12/15/10	0.50 - 1.50	3.00 - 5.00	7.00 - 9.00	
Constituent				
Total PCBs	0.657 J	0.984 J	0.0571 U	

SB-102-8C 12/16/10	0.00 - 1.00	1.00 - 3.00	5.00 - 7.00	8.00 - 10.00
Constituent				
Total PCBs	0.578 J	32.8 J	80.3 J	0.32 J

SB-186 06/09/08	2.00 - 2.00	3.40 - 3.40		
Constituent				
Total PCBs	1.2 J	1.011 J		

SB-102-6 12/16/10	0.00 - 1.00	1.00 - 3.00		
Constituent				
Total PCBs	1.583 J	243 J		

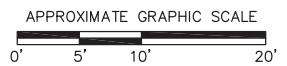
SB-102-7 12/16/10	0.00 - 1.00	1.00 - 3.00	Field Dup	1.00 - 3.00
Constituent				
Total PCBs	34 J	1.77 J	5.63 J	

SB-195 06/10/08	1.00 - 1.00	7.50 - 7.50	9.00 - 9.00	11.00 - 11.00
Constituent				
Total PCBs	2.45 J	4.34 J	0.141 J	0.0515 U

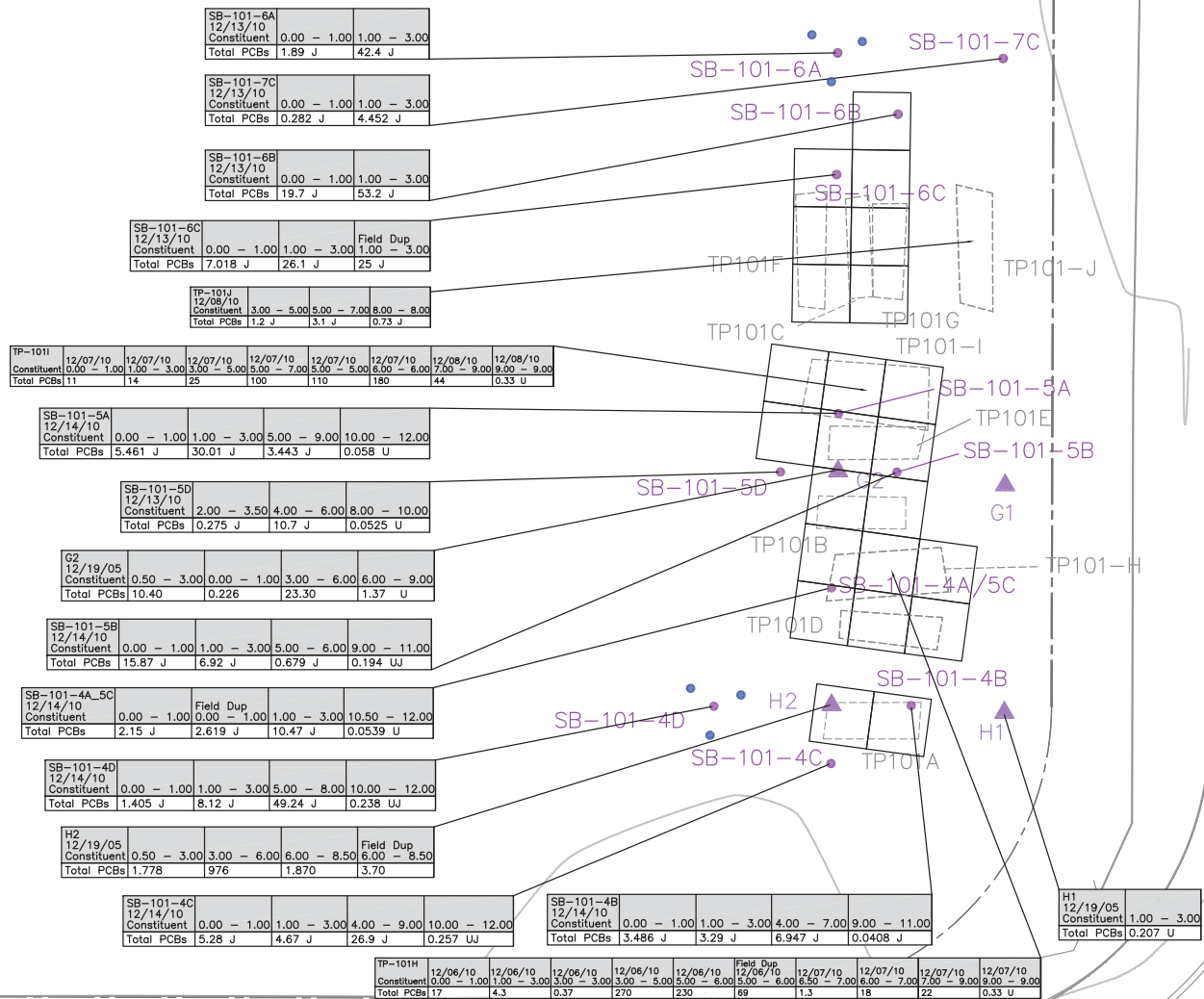
- LEGEND:
- ● SOIL SAMPLE LOCATION
 - ⊕ EXISTING MONITORING WELL
 - X— EXISTING FENCE
 - - - PROPERTY LINE
 - TSCA SAMPLING GRID
 - TEST PIT LOCATION

SAMPLE LOCATION	H1		
SAMPLE DATE	12/19/05		
Constituent	1.00 - 3.00	SAMPLE DEPTH	
Total PCBs	0.207 U	INTERVAL IN FEET	

NOTE:
 J - ESTIMATED VALUE.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 UJ - ESTIMATED NON-DETECT.



ACQUIRED RESIDENTIAL PROPERTIES NEW BEDFORD, MASSACHUSETTS	
SOIL SAMPLE TOTAL PCBs RESULTS 102 GREENWOOD STREET	
Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600	FIGURE 1
DRAWN BY: PZ CHECKED BY: DMS	DATE: JULY 2012



HATHAWAY BOULEVARD

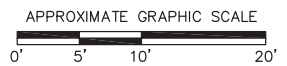
GREENWOOD STREET

LEGEND:

- ▲ SOIL SAMPLE LOCATION
- PROPOSED INVESTIGATIVE SAMPLE LOCATION
- X— EXISTING FENCE
- - - - - PROPERTY LINE
- TSCA SAMPLING GRID
- TEST PIT LOCATION

SAMPLE LOCATION	H1	12/19/05	Constituent	1.00 - 3.00	SAMPLE DEPTN	INTERVAL IN FEET

NOTE:
 J - ESTIMATED VALUE.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 UJ - ESTIMATED NON-DETECT.



**ACQUIRED RESIDENTIAL PROPERTIES
 NEW BEDFORD, MASSACHUSETTS**

**SOIL SAMPLE TOTAL PCBs RESULTS
 101 GREENWOOD STREET**

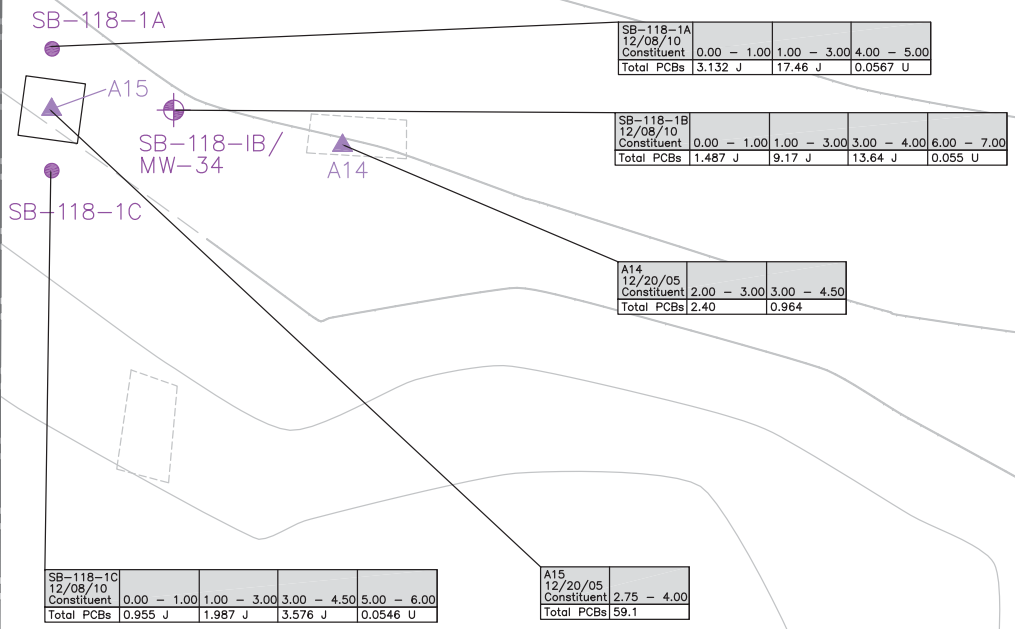
TRC Wampanoet Mills
 650 Suffolk Street
 Lowell, MA 01854
 (978) 970-5600

FIGURE 2

DRAWN BY: PZ
 CHECKED BY: DMS

DATE:
 JULY 2012

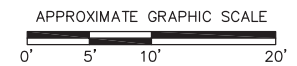
RUGGLES STREET 118



- LEGEND:**
- SOIL SAMPLE LOCATION
 - EXISTING MONITORING WELL
 - EXISTING FENCE
 - PROPERTY LINE
 - TSCA SAMPLING GRID
 - TEST PIT LOCATION

SAMPLE LOCATION	H1		
SAMPLE DATE	12/19/05		
Constituent	1.00 - 3.00	SAMPLE DEPTN	
Total PCBs	0.207 U	INTERVAL IN FEET	

NOTE:
 J - ESTIMATED VALUE.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 UU - ESTIMATED NON-DETECT.



ACQUIRED RESIDENTIAL PROPERTIES
 NEW BEDFORD, MASSACHUSETTS

SOIL SAMPLE TOTAL PCBs RESULTS
 118 RUGGLES STREET

Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600	DATE:	FIGURE 3
	DRAWN BY: PZ CHECKED BY: DMS	

Subsurface Utility Location Photos
101 and 102 Greenwood Street
New Bedford, Massachusetts



Photo 1 – Subsurface utility locations on south side of property (101 Greenwood Street)



Photo 2 – Location of gas line on west side of property (101 Greenwood Street)

Subsurface Utility Location Photos
101 and 102 Greenwood Street
New Bedford, Massachusetts



Photo 3 – Subsurface utility locations (102 Greenwood Street)



Photo 4 – Location of gas line on west side of property (102 Greenwood Street)

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

Main 978.970.5600
Fax 978.453.1995

Memorandum

To: Kimberly Tisa, PCB Coordinator

From: David M. Sullivan, LSP

CC: Michele Paul, LSP, Cheryl Henlin

Subject: **Request for Additional Information concerning *Request for Regulatory Opinion, Remediation of Polychlorinated Biphenyl (PCB) Impacted Soils***
Subset of Acquired Residential Properties 101 and 102 Greenwood Street and
118 Ruggles Street New Bedford, Massachusetts

Date: November 2, 2012

TRC Environmental Corporation (TRC) has prepared this memorandum to provide the supplemental information requested by the United States Environmental Protection Agency (EPA) concerning the TRC letter, *Request for Concurrence on Regulatory Opinion Remediation of Polychlorinated Biphenyl (PCB) Impacted Soils*, dated August 15, 2012.

- 1. The proposed vertical delineation sampling at sample location SB-101-6B may be inadequate given the depth of PCBs >50 ppm at adjacent locations** – In addition to the vertical pre-delineation sample proposed at 4 feet, we will add vertical delineation samples to be taken at 5–7 feet, and 7-9 feet to ensure that PCB concentrations >50 ppm will be addressed during remediation.
- 2. It is unclear what is happening with test pit TP-101G** – Our plan calls for test pit TP-101G to be addressed during the excavation at TP-101C, and TP-101F. It was inadvertently not included in our text, but is illustrated in Figure 2.
- 3. At sample locations SB-101-4D and SB-101-6A, additional sampling should be performed to ensure sampling did not result in PCB dilution** – As discussed in the TRC letter at page 6, samples will be taken at sample locations SB-101-4D and SB-101-6A in light of previous sample results approaching 50 mg/kg total PCBs (49.2 mg/kg and 42.4 mg/kg, respectively). At each of the locations three borings will be placed surrounding the locations indicated on Figure 2. Samples will be taken at 3-5 feet, 5-7 feet, and 7-9 feet and analyzed for total PCBs. If any of these samples indicate a concentration greater than or equal to 50 mg/kg total PCBs, the locations will be excavated. If this scenario occurs, confirmatory grab samples will be taken from the sidewalls at a frequency of one sample per 1.5 meters of sidewall. Additional pre-

excavation confirmatory samples would be collected if any confirmatory sample results indicate a concentration greater than or equal to 50 mg/kg total PCBs. Lateral limits will be determined to be where sidewall confirmatory sampling results are less than 50 mg/kg. Where field conditions allow, sidewalls will be over-excavated 6 inches beyond the aforementioned limits as a conservative measure.

4. **Please provide a table showing the proposed number of pre-excavation samples –**
The proposed number of pre-excavation samples are as follows:

Excavation Location	Number of pre-excavation samples ⁽¹⁾
101 Greenwood Street	
H2, TP101A	12
TP101-H, TP101-I, TP-101B, TP-101D, TP-101E	36
TP101-C, TP101-F, TP101-G	19
SB-101-6B	6 ⁽²⁾
SB-101-6A ⁽³⁾	9
SB-101-4D ⁽³⁾	9
102 Greenwood Street	
SB-102-6	5
SB-185, SB-102-8A, SB-102-8B, SB-102-8C, SB-102-8D, TP102-C	24

Notes:

1. Number of pre-excavation samples based on sample results <50 ppm PCBs in first sampling event.
2. Number of samples includes sidewall samples, and vertical delineation samples at 4', 5-7', and 7-9'.
3. Samples at SB-101-6A (49.2 ppm PCBs) and SB-101-4D (42.4 ppm PCBs) include three locations surrounding the original sample location taken at three depths (3-5', 5-7', and 7-9').

5. **Please add the location of house foundations to the figures –** The location of the house foundations have been added to Figures 1, 2, and 3.
6. **With respect to 118 Ruggles Street, did you obtain the information from the EPA Removal Group, who performed the soil excavation at 128 Ruggles Street, to support that this location has been excavated? –** The information was supplied by Marcus Holmes, EPA On-Scene Coordinator, which indicates that the removal action performed by EPA at 128 Ruggles Street included sample location A15 on the 118 Ruggles Street property. Please see attached the two figures provided by EPA (128 Ruggles Street (P-020) Removal Grid Location Map, and Satellite View of Excavation), and the TRC Excavation Plan showing the 118 Ruggles Street area.
7. **On the August 15, 2012 submittal, Figure 1 does not include data for sample location SB-196 –** The PCB data for sample location SB-196 has been added to Figure 1.

GREENWOOD STREET

CLF

HATHAWAY BOULEVARD

SB-102-9 12/16/10	Field Dup	1.00 - 3.00
Constituent	0.00 - 1.00	0.00 - 1.00
Total PCBs	0.058 U	0.178 J 0.246 J

SB-102-9

SB-196 06/10/08	3.50 - 3.50	8.00 - 8.00
Constituent	1.00 - 1.00	0.191 J 0.204 J
Total PCBs	0.284 J	

SB-196

SB-102-8A 12/16/10	1.00 - 3.00	5.00 - 6.00	7.00 - 9.00
Constituent	0.00 - 1.00	3.14 J	5.29 J 0.0869 J
Total PCBs	0.3622 J		

TP102-C SB-102-8A

SB-102-8D
MW-36

SB-185

SB-102-8B

SB-102-8D 12/16/10	1.00 - 3.00	5.00 - 7.00	8.00 - 10.00
Constituent	0.00 - 1.00	3.562 J	8.280 J 0.52 U
Total PCBs	0.0931 J		

SB-187

SB-102-8C

SB-102-8C

SB-102-8C

SB-102-8C

SB-187 06/09/08	4.00 - 4.00	6.00 - 6.00
Constituent	4.00 - 4.00	6.00 - 6.00
Total PCBs	0.2699 J	5.88 J

SB-102-12

SB-186

SB-102-6

SB-185 06/09/08	2.00 - 2.00	4.00 - 4.00	6.00 - 6.00
Constituent	2.00 - 2.00	4.00 - 4.00	6.00 - 6.00
Total PCBs	68.3 J	45.7 J	10.7 J

SB-102-8B 12/16/10	1.00 - 3.00	5.00 - 6.00	7.00 - 9.00
Constituent	0.00 - 1.00	83.3 J	37.4 J 0.0561 U
Total PCBs	6.22 J		

SB-195

SITE OF DEMOLISHED HOUSE

SB-102-12 12/15/10	3.00 - 5.00	7.00 - 9.00
Constituent	0.50 - 1.50	0.984 J 0.0571 U
Total PCBs	0.657 J	

SB-102-8C 12/16/10	1.00 - 3.00	5.00 - 7.00	8.00 - 10.00
Constituent	0.00 - 1.00	32.8 J	80.3 J 0.32 J
Total PCBs	0.578 J		

SB-186 06/09/08	2.00 - 2.00	3.40 - 3.40
Constituent	2.00 - 2.00	3.40 - 3.40
Total PCBs	1.2 J	1.011 J

SB-102-6 12/16/10	1.00 - 3.00	Field Dup
Constituent	0.00 - 1.00	1.00 - 3.00
Total PCBs	1.583 J	243 J

SB-102-7 12/16/10	1.00 - 3.00	Field Dup
Constituent	0.00 - 1.00	1.00 - 3.00
Total PCBs	34 J	1.77 J 5.63 J

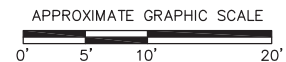
SB-195 06/10/08	7.50 - 7.50	9.00 - 9.00	11.00 - 11.00
Constituent	1.00 - 1.00	4.34 J	0.141 J 0.0515 U
Total PCBs	2.45 J		

LEGEND:

- ● SOIL SAMPLE LOCATION
- EXISTING MONITORING WELL
- EXISTING FENCE
- PROPERTY LINE
- TSCA SAMPLING GRID
- TEST PIT LOCATION
- SITE OF DEMOLISHED HOUSE

SAMPLE LOCATION	H1	1.00 - 3.00	SAMPLE DEPTH
SAMPLE DATE	12/19/05		INTERVAL IN FEET
Constituent			
Total PCBs	0.207 U		

NOTE:
 J - ESTIMATED VALUE.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 UJ - ESTIMATED NON-DETECT.



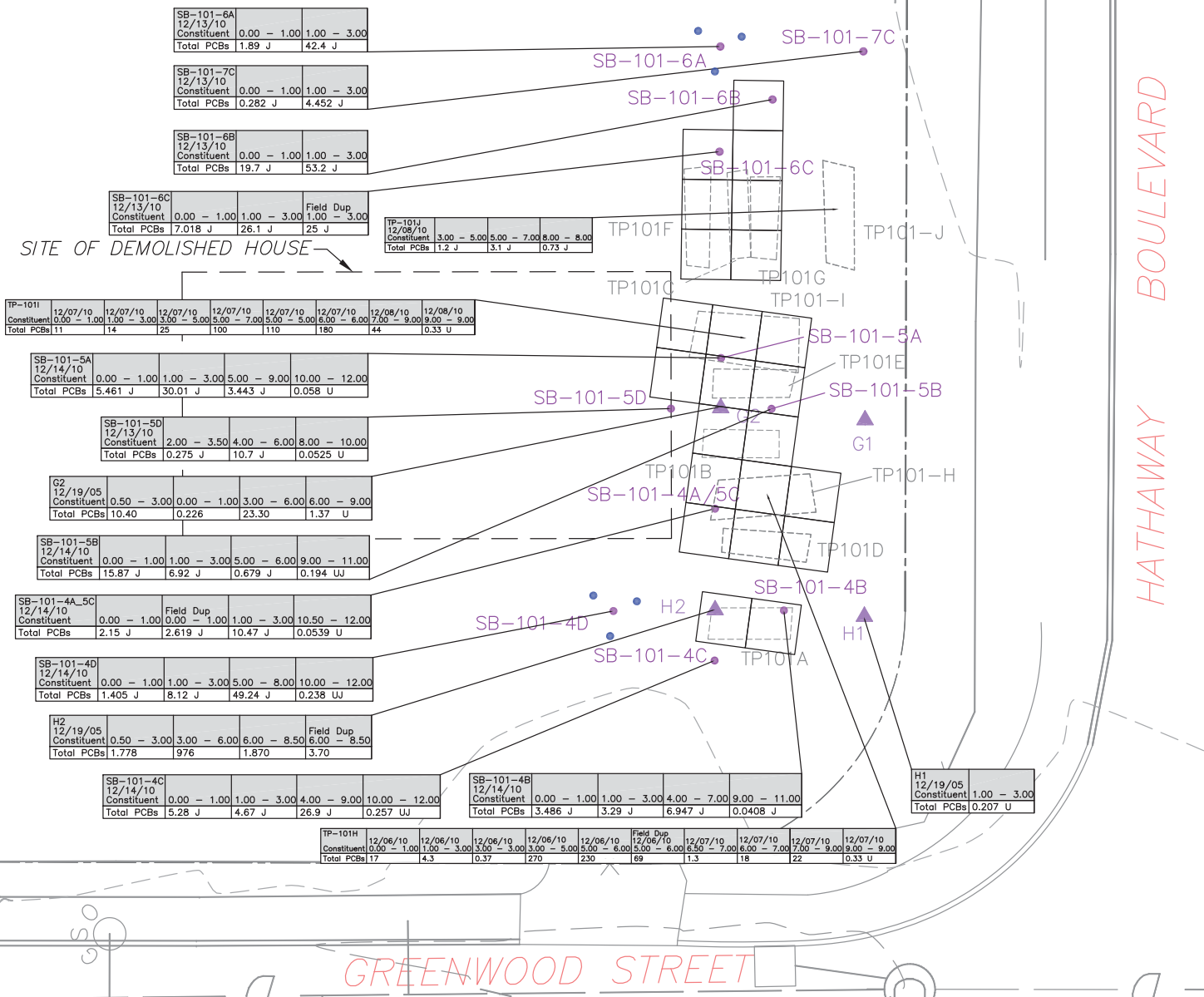
ACQUIRED RESIDENTIAL PROPERTIES
 NEW BEDFORD, MASSACHUSETTS

SOIL SAMPLE TOTAL PCBs RESULTS
 102 GREENWOOD STREET

Wannaganett Mills
 650 Suffolk Street
 Lowell, MA 01854
 (978) 970-5600

FIGURE
 1

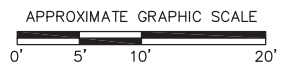
DRAWN BY: PZ
 CHECKED BY: DMS
 DATE: JULY 2012



- LEGEND:**
- ▲ SOIL SAMPLE LOCATION
 - PROPOSED INVESTIGATIVE SAMPLE LOCATION
 - X — EXISTING FENCE
 - - - - - PROPERTY LINE
 - TSCA SAMPLING GRID
 - ▭ TEST PIT LOCATION
 - - - - - SITE OF DEMOLISHED HOUSE

SAMPLE LOCATION	H1	1.00 - 3.00	SAMPLE DEPTN INTERVAL IN FEET
	12/19/05	Constituent	
	Total PCBs	0.207 U	

NOTE:
 J - ESTIMATED VALUE.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 UJ - ESTIMATED NON-DETECT.



ACQUIRED RESIDENTIAL PROPERTIES NEW BEDFORD, MASSACHUSETTS	
SOIL SAMPLE TOTAL PCBs RESULTS 101 GREENWOOD STREET	
Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600	
DRAWN BY: PZ CHECKED BY: DMS	DATE: JULY 2012
FIGURE 2	

RUGGLES STREET

SB-118-1A

SB-118-1A 12/08/10	0.00 - 1.00	1.00 - 3.00	4.00 - 5.00
Constituent			
Total PCBs	3.132 J	17.46 J	0.0567 U

A15

SB-118-1B/
MW-34

SB-118-1B 12/08/10	0.00 - 1.00	1.00 - 3.00	3.00 - 4.00	6.00 - 7.00
Constituent				
Total PCBs	1.487 J	9.17 J	13.64 J	0.055 U

TP118B

A14

SB-118-1C

A14 12/20/05	2.00 - 3.00	3.00 - 4.50
Constituent		
Total PCBs	2.40	0.964

TP118A

A15 12/20/05	2.75 - 4.00
Constituent	
Total PCBs	59.1

SB-118-1C 12/08/10	0.00 - 1.00	1.00 - 3.00	3.00 - 4.50	5.00 - 6.00
Constituent				
Total PCBs	0.955 J	1.987 J	3.576 J	0.0546 U

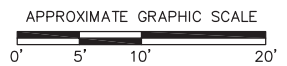
SITE OF DEMOLISHED HOUSE

LEGEND:

- SOIL SAMPLE LOCATION
- EXISTING MONITORING WELL
- EXISTING FENCE
- PROPERTY LINE
- TSCA SAMPLING GRID
- TEST PIT LOCATION
- SITE OF DEMOLISHED HOUSE

SAMPLE LOCATION	H1		
SAMPLE DATE	12/19/05		
Constituent	1.00 - 3.00	SAMPLE DEPTN	
Total PCBs	0.207 U	INTERVAL IN FEET	

NOTE:
 J - ESTIMATED VALUE.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 UJ - ESTIMATED NON-DETECT.



ACQUIRED RESIDENTIAL PROPERTIES NEW BEDFORD, MASSACHUSETTS	
SOIL SAMPLE TOTAL PCBs RESULTS 118 RUGGLES STREET	
TRC	Wannancott Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600
DRAWN BY: PZ	DATE: JULY 2012
CHECKED BY: DMS	
FIGURE 3	



Ruggles Street

P-020-NW01A
Cd: 8 ppm
 Pb: 251 ppm
 PCB: 1.33 ppm
P-020-NW01B
 Pb: 206 ppm
 PCB: 8 ppm

P-020-EW01A
Cr: 31 ppm
 Pb: 265 ppm
 PCB: 0.74 ppm
P-020-EW01B
As: 29 ppm
Cr: 68 ppm
Pb: 647 ppm
PCB: 10 ppm
Benzo(a)anthracene: 44 ppm
Benzo(a)pyrene: 36 ppm
Benzo(b)fluoranthene: 29 ppm
Dibenzo(a,h)anthracene: 1.4 ppm
Indeno(1,2,3-cd)pyrene: 11 ppm

P-020-WW01A
 Pb: 25 ppm
 PCB: ND
P-020-WW01B
Cd: 9 ppm
 Pb: 97 ppm
 PCB: 0.5 ppm

P-020-Q1
 Pb: 5.1 ppm
 PCB: ND

**128 Ruggles Street
 (Property P-020)**

P-020-SW01A
 Pb: 93 ppm
 PCB: 0.2 ppm
P-020-SW01B
 Pb: 33 ppm
 PCB: 0.08 ppm

Figure 3
128 Ruggles Street (P-020)
Removal Grid Location Map
Parker Street Waste Site
New Bedford, Massachusetts

EPA Region I
Superfund Technical Assessment and
Response Team (START) III
Contract No. EP-W-05-042
TDD Number: 10-10-0001
Created by: T. Benton
Created on: 8 June 2010
Modified by: R. Sharp
Modified on: 13 August 2012

LEGEND

- Parcel Boundary
- Composite floor sample location
- Area excavated to a depth of 3-feet
- Composite side-wall sample location bordering City Right of Way
- Location of composite side-wall sample collected from interior wall

Bolded values depicted are greater than the Massachusetts Contingency Plan S-1 & GW-2 standards.
 ppm: parts per million
 As: Arsenic
 Cd: Cadmium
 Cr: Chromium
 Pb: Lead
 PCB: Polychlorinated Biphenyls

0 12.5 25
 Feet

Data Sources:
 Imagery: MassGIS (2008 Aerial - 24628210)
 All other data: START



118 Ruggles St, New Bedford, MA

© 2012 Google

Google

Imagery Date: 4/2/2012

41°38'36.20" N 70°56'57.97" W elev 98 ft

Eye alt 406 ft

RUGGLES STREET

I=85.1

CLF



SB-118-IB/
MW-34

WALK

APPROXIMATE EXTENT OF AREA
UNDERSTOOD TO HAVE BEEN
PREVIOUSLY EXCAVATED

A15

118 RUGGLES STREET

4"

8"

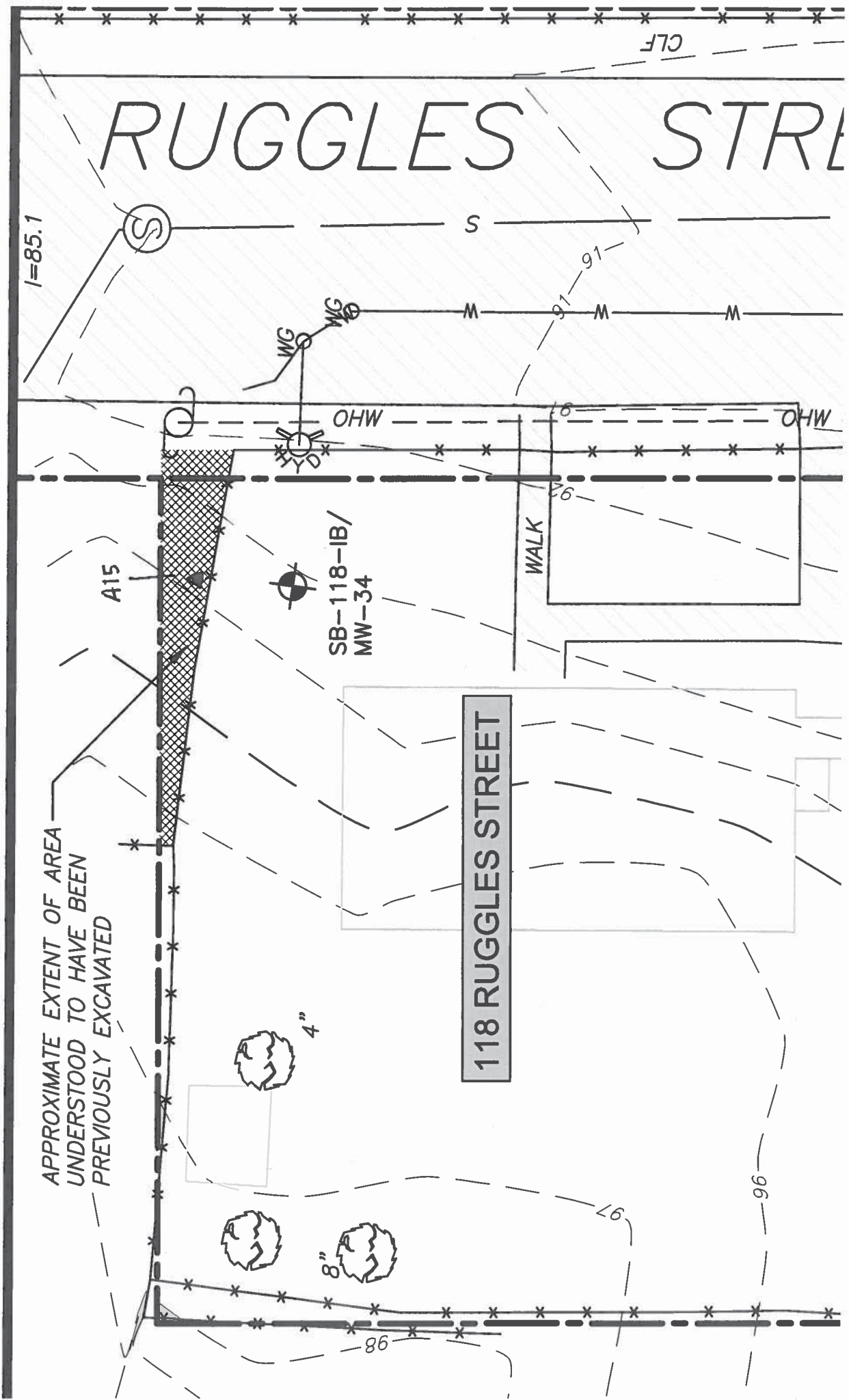
86

97

96

18

26





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100, BOSTON, MASSACHUSETTS 02109-3912

Certified Mail – Return Receipt Requested

DEC 10 2012

Michele Paul, Director
Environmental Stewardship Department
City of New Bedford
133 William Street, Room 304
New Bedford, Massachusetts 02740

Re: Acquired Residential Properties PCB Remediation
101 and 102 Greenwood Street and 118 Ruggles Street

Dear Ms. Paul:

I write in response to the letter from your consultant, TRC Environmental,¹ concerning PCB-contaminated soils located at the following properties owned by the City of New Bedford:

- 101 and 102 Greenwood Street
- 118 Ruggles Street

The TRC letter requests EPA's concurrence for the removal of PCB-impacted soil from these properties as it applies to the requirements under the PCB regulations at 40 CFR Part 761. These properties have PCB concentrations in soil at greater than or equal to (\geq) 50 parts per million (ppm). In its March 29, 2011 letter pertaining to these properties, EPA determined that PCB-contaminated soil with \geq 50 ppm on these properties met the definition of a *PCB remediation waste* as defined under § 761.3 and was regulated for cleanup under 40 CFR Part 761.

In the August 15, 2012 letter TRC indicates that the planned remedial actions to address contaminated soils at the above properties also will be conducted under a Massachusetts Contingency Plan (MCP) Release Abatement Measure, or other MCP-compliant response action. As such, the intent of the remediation activity is to meet the requirements of both 40 CFR Part 761 and the MCP.

¹ David Sullivan, TRC Environmental to Kimberly Tisa, EPA. *Request for Concurrence on Regulatory Opinion Remediation of Polychlorinated Biphenyl (PCB) Impacted Soils*, August 15, 2012. TRC provided additional information on the proposed remediation on November 2, 2012. These two submissions are referred to herein as the "TRC letter."

In the proposed remediation plan, PCB-contaminated soil with ≥ 50 ppm will be removed and disposed of in accordance with 40 CFR § 761.61(b). PCB-contaminated soil with less than ($<$) 50 ppm will be addressed under the MCP.

To delineate the ≥ 50 ppm PCB-contaminated soil from the < 50 ppm PCB-contaminated soil, TRC is proposing to conduct sampling prior to excavation. While confirmatory sampling to segregate the ≥ 50 ppm PCB-contaminated soil from the < 50 ppm PCB-contaminated soil would generally be conducted following removal of the ≥ 50 ppm PCB-contaminated soil, the City is proposing to conduct the sampling prior to excavation to avoid leaving open excavations in a residential area. As a conservative measure during soil removal, excavations will be over-excavated by 6 inches beyond the ≥ 50 ppm PCB lateral and/or vertical extent, as applicable, to insure complete removal of the ≥ 50 ppm PCB soil.

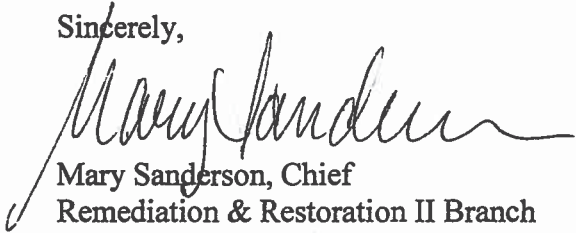
Based solely on the information provided by TRC, EPA has determined that the proposed pre-excavation sampling and removal procedure is sufficient for segregation of the ≥ 50 ppm PCB-contaminated soil at these properties and is reasonable given the location of the properties with the following conditions:

1. Samples shall be collected from the 3.0 to 5.0 foot horizon and 5.0 to 7.0 foot horizon at SB-101-4D on 101 Greenwood Street;
2. Samples shall be collected from the 3.0 to 5.0 foot horizon and 5.0 to 7.0 foot horizon at SB-101-6A on 101 Greenwood Street;
3. Analytical results of all pre-excavation sampling shall be submitted to EPA prior to the City conducting any soil removal on these properties;
4. The City shall submit any remedial plan modifications deemed necessary to comply with 40 CFR Part 761 as determined by the analytical results of the pre-excavation sampling; and,
5. In the event that during the pre-excavation sampling or during excavation, new information is discovered (e.g., electrical components such as small capacitors, stained soils, etc), the City shall contact EPA for a determination of what additional requirements, such as sampling, shall apply to the remedial project.

EPA's determination applies solely to the properties and the soil locations that were identified in the TRC letter and has no bearing on any other property located within the Parker Street Waste Site. Please be aware that this determination does not release the City from any applicable requirements of federal, state or local law, including the requirements related to cleanup and disposal of PCBs or other non-PCB contaminants under the Massachusetts Department of Environmental Protection (MassDEP) and the MCP.

Questions regarding this matter should be directly to Kim Tisa at (617) 918-1527.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mary Sanderson".

Mary Sanderson, Chief
Remediation & Restoration II Branch
Office of Site Remediation & Restoration

cc: ✓ D. Sullivan, TRC
M. Cote, MassDEP
File

Attachment B



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 1014DSB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/20	S-1		2" ASPHALT. 6" Light brown SAND and GRAVEL.	0.0		No Monitoring Well Installed.
2					12" Brown SILTY SAND, little-some fill (glass, coal, ash, brick, cinder).			
3						0.0		
4		48/16	S-2		16" FILL(ash, cinder, clinker, brick, glass).		1014DSB2 (3-5') 1135	
5								
6							1014DSB2 (5-7') 1140	
7						0.0		
8		36/18	S-3		18" PEAT.		1014DSB2 (7-9') 1145	
9								
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 1014DSB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/25	S-1		2" ASPHALT. 21" Brown SILTY SAND, little fill (glass, coal, ash, gravel).	0.0		No Monitoring Well Installed.
2								
3						0.0		
4		48/14	S-2		2" FILL (glass, ash, coal, clinker). 14" FILL (brown/orange sand, coal, ash, clinker, cinder, glass, plastic).		1014DSB3 (3-5') 1200 DUP-10/ (MS/MSD) 1200	
5								
6							1014DSB3 (5-7') 1205	
7						0.0		
8		36/24	S-3		2" SAA 22" PEAT.		1014DSB3 (7-9') 1210	
9								
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 1016ASB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/32	S-1		12" TOPSOIL (light brown sand, organics, trace gravel).	0.0		No Monitoring Well Installed
2					15" Dark brown SILTY SAND, little fill (coal, ash, glass).			
3						0.0		
4		48/22	S-2		5" FILL (orange/brown sand, ash, cinder, coal).		1016ASB1 (3-5') 905 DUP-9/ (MS/MSD) 905	
5					13" SAA.			
6					14" FILL (redish brown sand, ash, coal, cinder, glass, gravel), moist.		1016ASB1 (5-7') 910	
7						0.0		
8		36/31	S-3		4" SAA.		1016ASB1 (7-9') 915	
9					18" PEAT.			
10					9" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' SE of 1016ASB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/19	S-1		3" TOPSOIL.	0.0		No Monitoring Well Installed
					4" Light brown fine SAND, little gravel.		1016ASB2 (1-3') 925	
					12" Brown SILTY SAND, little fill (glass, coal, clinker).			
2						0.0		
3								
4		48/24	S-2		2" SAA.		1016ASB2 (3-5') 930	
					22" FILL (coal, clinker, wood, ash, cinder).			
5								
6						0.0		
7								
8		36/24	S-3		8" SAA.		1016ASB2 (7-9') 940	
9					6" PEAT.			
10					10" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 1016ASB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push-AMS Powerprobe
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		48/30	S-1		6" TOPSOIL.	0.0		No Monitoring Well Installed.
2					12" Light brown SILTY SAND, trace fill (coal, brick).		1016ASB3 (1-3') 1000	
3					12" Dark brown SILTY SAND, little fill (glass, coal, clinker, ash).	0.0		
4		48/28	S-2		8" Light brown/orange FILL (ash, clinker, coal, glass).		1016ASB3 (3-5') 1005	
5					3" FILL (white cinder and ash).			
6					17" Black/brown FILL (ash, coal, clinker, glass, rubber).		1016ASB3 (5-7') 1010	
7						0.0		
8		36/18	S-3		5" SAA.		1016ASB3 (7-9') 1015	
9					7" PEAT.			
10					6" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' W of 101EX1SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (6-8'), (3-4.5'), (4.5-6')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/36	S-1		6" TOPSOIL.	0.0			No Monitoring Well Installed.
2					12" Brown SILTY SAND, trace glass and clinker.				
3					5" FILL (coal ash, clinker, gravel, glass).				
4					5" Dark brown SILTY SAND, trace plastic and clinker.				
4					1" Pulverized GRAVEL.	0.0	101EX1SB1 (3-4.5') 855		
4					7" FILL (clinker, ash, tile, glass)				
5		72/28	S-2		20" FILL (red/brown sand, white ash, cinder, glass, clinker).		101EX1SB1 (4.5-6") 900		
6									
7							101EX1SB1 (6-8') 905		
8						0.0			
9							101EX1SB1 (8-10') 910		
10					8" PEAT.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-4.5'), (4.5-6'), (6-8'), (8-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/34	S-1		8" TOPSOIL.	0.0			
2					22" Brown SAND, some silt and gravel, trace fill (porcelain, glass, clinker, coal).	0.0			
3									
4						0.0	101EX1SB2 (3-4.5') 925		
5		72/30	S-2		4" FILL (ash, brown fibrous material, glass, tile).				
6					21" SAA.		101EX1SB2 (4.5-6") 930		No Monitoring Well Installed.
7							101EX1SB2 (6-8') 935		
8						0.0			
9							101EX1SB2 (8-9') 940		
10					9" PEAT.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		6" TOPSOIL.	0.0		No Monitoring Well Installed.
2					8" Brown SAND, little gravel, trace fill (glass, coal ash).			
3					20" FILL (brick, ash, coal, clinker, glass).	0.0		
4						0.0	101EX1SB3 (3-5') 955	
5		72/38	S-2		10" SAA.			
6							101EX1SB3 (5-7') 1000	
7					11" Black FILL (clinker, ash, coal).			
8					3" Red/orange SAND and FILL (ash, clinker).	0.0		
9					10" PEAT.			
10					4" Tan fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
0		60/40	S-1		8" TOPSOIL.	0.0		
1					20" Brown SILTY SAND, trace fill (glass, ash, clinker).			
2								
3						0.0		
4					12" FILL (ash, clinker, plastic, coal, white ash, ceramic, porcelain).		101EX1SB4 (3-5') 1050	
5	72/30		S-2		16" SAA.	0.0		
6							101EX1SB4 (5-7') 1055	
7								
8					14" PEAT.	0.0		
9								
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/30	S-1		6" TOPSOIL.	0.0			No Monitoring Well Installed.
2					18" Brown SAND, little fill (glass, ash).				
3						0.0			
4					6" FILL (brick, glass, ash, coal, wood, clinker).		101EX1SB5(3-5) 1115 DUP-5/ (MS/MSD) 1115		
5		72/42	S-2		19" SAA.				
6						0.0	101EX1SB5 (5-7) 1120		
7									
8					8" Black SILT, trace fill.				
9					10" PEAT.	0.0			
10					5" Tan fine to coarse SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX1SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		5" TOPSOIL.			No Monitoring Well Installed.
2					19" Brown SAND with gravel, little fill (clinker, glass, ash).	0.0		
3								
4					10" FILL (brown/orange/black sand, clinker, ash, wood, coal, plastic, metal).	0.0	101EX1SB6 (3-5') 1140	
5		72/40	S-2		13" SAA.			
6							101EX1SB6 (5-7') 1145	
7					3" Tan/white FILL (cinder, ash, coal).			
8					17" PEAT.	0.0		
9								
10					7" Tan fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' WNW of 101EX1SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/16	S-1		1" Asphalt. 8" Brown SAND with gravel and fill (glass, plastic, paper).	0.0		No Monitoring Well Installed.
2						0.0		
3					6" FILL (brown/orange SAND, coal ash, plastic, clinker).			
4							101EX2SB1 (3-5') 1225	
5		72/43	S-2		8" SAA.	0.0		
6					8" FILL (white ash, cinder, clinker, brick).		101EX2SB1 (5-7') 1230	
7					23" PEAT.			
8						0.0		
9								
10					4" Tan fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB10 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB9 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/34	S-1		5" TOPSOIL.	0.0		No Monitoring Well Installed.
2					13" Brown SILTY SAND, some fill (plastic, glass, coal).			
3					16" FILL (plastic, ash, clinker, gravel, glass, fabric).	0.0		
4					16" SAA, decreasing fill.	0.0		
5		72/40	S-2		16" PEAT.	0.0	101EX2SB10 (7-9) 0845	
6								
7						0.0		
8								
9						0.0		
10					8" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB11 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB10 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/32	S-1		8" TOPSOIL.	0.0		No Monitoring Well Installed.
2					24" Brown fine SAND, some gravel, little fill (glass, brick, coal).			
3								
4							101EX2SB11 (3-5') 900 DUP-6 / (MS/MSD) 0900	
5		72/35	S-2		5" FILL (coal, ash, gravel, clinker, scrap metal).			
6					13" SAA, with black fibrous fabric and increasing white ash.		101EX2SB11 (5-7') 905	
7								
8					5" FILL (black coal ash and clinker, with black rubber/fabric exhibiting a slight petroleum-like odor).	0.0		
9					9" PEAT.			
10					8" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB12 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/36	S-1		12" Dark brown fine SILTY SAND, trace organics, little fill (coal, glass).				
2					12" Light brown fine to medium SAND, trace fill (coal).	0.4			
3					6" FILL (brown/orange sand with ash, coal, glass).				
4					6" Black FILL (ash, coal, glass).	0.0	101EX2SB12 (3-5) 925		
5		72/46	S-2		6" SAA.				No Monitoring Well Installed.
6					13" FILL (brown/orange sand with ash, coal, glass).	0.0	101EX2SB12 (5-7) 930		
7									
8					14" PEAT.	0.0			
9									
10					13" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB13 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' NW of 101EX2SB9 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/36	S-1		5" TOPSOIL.			
1					4" Light brown fine to medium SAND, trace fill (coal, glass).	0.0		
					5" Pulverized GRAVEL.			
2					10" Dark brown SILTY SAND, trace fill.			
3						0.0		
4					12" FILL (brick, ash, coal, clinker, glass).		101EX2SB13 (3-5') 950	
5		72/36	S-2		18" SAA.			No Monitoring Well Installed.
6						0.0	101EX2SB13 (5-7') 955	
7								
8					12" PEAT.		101EX2SB13 (7-9') 1000	
9						0.0		
10					6" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB14 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/38	S-1		2" TOPSOIL.			No Moinitoring Well Installed.
2					24" Brown SILTY SAND, little fill (clinker, ash, glass).	0.0		
3								
4					12" FILL (brown/orange SAND with ash, coal, glass, clinker).		101EX2SB14 (3-5') 1015	
5		72/38	S-2		17" SAA.	0.0		
6							101EX2SB14 (5-7') 1020	
7								
8					13" PEAT.	0.0		
9								
10					8" Gray fine SAND.			
11					End of boring at 11 feet.	0.0		



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB15 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB14 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/36	S-1		2" TOPSOIL.			No Monitoring Well Installed.
2					21" Brown fine SILTY SAND, little fill (brick, ash, coal, glass, porcelain).	0.0		
3					13" FILL (ash, clinker, coal).			
4					13" SAA.	0.0		
5	72/40		S-2		13" SAA.			
6					13" SAA.			
7					5" Orange/brown SAND and FILL (coal,ash,plastic).			
8					15" PEAT.	0.0	101EX2SB15 (7-9) 1035	
9					15" PEAT.			
10					7" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB16 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB15 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/38	S-1		3" TOPSOIL.			
1					24" Brown fine SILTY SAND, trace fill (glass, coal, ash, wood, porcelain), increasing fill with depth.			
2						0.0		
3								
4					11" FILL (ash, glass, clinker, wood, gravel).		101EX2SB16 (3-5') 1205	
5		72/40	S-2		4" SAA.	0.0		No Monitoring Well Installed.
6					15" Red/brown/orange fine SAND and FILL (glass, ash, coal).		101EX2SB16 (5-7') 1210	
7								
8					12" PEAT.	0.0		
9					9" Gray fine SAND.			
10								
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB17 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		3" TOPSOIL.			No Monitoring Well Installed
2					15" Brown SILTY SAND with gravel, trace fill.			
3					11" Dark brown SILTY SAND, some fill (plastic, scrap metal, tile).	0.0		
4					14" FILL (ash, gravel, coal, clinker, glass).		101EX2SB17 (3-5') 1305	
5		72/35	S-2		15" SAA.	0.0		
6							101EX2SB17 (5-7') 1310	
7								
8					13" PEAT.	0.0		
9								
10					7" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB18 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB17 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
0		60/36	S-1		3" TOPSOIL.			
1					20" Brown/orange SILTY SAND, little fill (glass, coal, clinker).			
2						0.0		
3								
4					13" FILL (coal, ash, clinker, glass).			
5		72/45	S-2		22" SAA.	0.0		
6								
7								
8					15" PEAT.	0.0	101EX2SB18 (7-9) 1325	
9								
10					8" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB19 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB18 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/35	S-1		3" TOPSOIL.	0.0		No Monitoring Well Installed.
2					22" Brown SILTY SAND, some gravel, little fill (brick, porcelain, glass, coal).			
3								
4					10" FILL (ash, coal, clinker, glass, tile).	0.0		
5		72/38	S-2		7" SAA with white ash and coal.			
6					18" Orange/red/brown SAND, trace FILL (scrap metal, wood).			
7								
8						0.0	101EX2SB19 (7-9) 1335	
9					7" PEAT.			
10					6" Gray fine SAND.	0.0		
11					End of boring at 11 feet!			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/32	S-1		4" TOPSOIL.	0.0			
2					16" Brown fine SAND and GRAVEL, little fill (brick, glass).				
3					12" FILL (brown/orange SAND with glass, clinker, coal, ash, plastic).	0.0			
4							101EX2SB2 (3-5') 1250		
5		72/40	S-2		18" SAA.				
6						0.0	101EX2SB2 (5-7') 1255		
7									
8					18" PEAT.				
9						0.0			
10									
11					4" Tan/gray fine SAND.				
					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB20 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB19 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

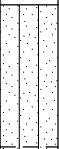



DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/27	S-1		3" TOPSOIL.			No Monitoring Well Installed.
1					20" Brown SILTY SAND, trace-little fill (glass, coal, scrap metal).	0.0		
2								
3								
4						0.0	101EX2SB20 (3-5') 1350	
5		72/36	S-2		4" FILL (ash, coal, glass, clinker, scrap metal). 3" SAA.			
6					12" Red/orange SILT, some fill (fabric, tile, porcelain, ash, coal).		101EX2SB20 (5-7') 1355	
7								
8					12" PEAT.	0.0		
9								
10					7" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB21 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 4.5
 LOCATION Approximately 5' N of 101EX2SB17 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-4.5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		54/36	S-1		11" Dark brown SILTY SAND, trace organics and gravel.	0.0	101EX2SB21 (3-4.5') 1415	No Monitoring Well Installed.	
2				4" Light brown fine SILTY SAND.	0.0				
3				3" Pulverized GRAVEL.					
4				12" FILL (orange/brown sand with gravel, coal, ash, glass, scrap metal).					
					End of boring at 4.5 feet (refusal on concrete/boulder).				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB22 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB21 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/36	S-1		3" TOPSOIL.	0.0			
2					22" Brown/orange SILTY SAND, some fill (coal, ash, glass, gravel, brick, scrap metal).				
3						0.0	101EX2SB22 (3-5') 1505		
4					6" Pulverized GRAVEL.				
5		72/39	S-2		5" FILL (coal, ash, glass, gravel, brick, scrap metal).				
6					16" SAA, increasing white ash, brick with depth.	0.0	101EX2SB22 (5-7') 1510		No Monitoring Well Installed.
7									
8					4" WOOD.	0.0	101EX2SB22 (7-9') 1515		
9					11" PEAT, moist.				
10					8" Gray fine SAND, moist.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB23 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB22 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/32	S-1		4" TOPSOIL.	0.0		
1					20" Brown SILTY SAND, some fill (glass, porcelain, coal, scrap metal).			
2								
3								
4					8" FILL (brown/orange sand, coal, ash, glass, scrap metal, clinker).	0.0	101EX2SB23(3-5') 830 DUP-7(MS/MSD) 830	
5		72/36	S-2		12" SAA.			No Monitoring Well Installed.
6							101EX2SB23 (5-7) 835	
7					14" PEAT.	0.0		
8								
9								
10					10" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB24 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB23 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9'), (9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/32	S-1		3" TOPSOIL (trace organics, glass).	0.0		No Monitoring Well Installed.
2					23" Brown SILTY SAND, trace fill (glass, coal).			
3								
4					6" FILL (brick, ash, coal, clinker, glass, cinder).	0.0	101EX2SB24 (3-5') 855	
5		72/40	S-2		15" SAA.		101EX2SB24 (5-7') 900	
6								
7					2" Wood.			
8					4" FILL (ash, cinder, tar coated fabric exhibiting a slight petroleum odor).			
9					10" PEAT.	1.2	101EX2SB24 (7-9') 905	
10					10" Gray fine SAND.	0.0	101EX2SB24 (9-11') 910	
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/28	S-1		18" Brown fine SILTY SAND, some organics, little fill (glass, coal).	0.0		No Monitoring Well Installed.
2								
3								
4					10" FILL (ash, coal, wood, glass, porcelain, scrap metal, brick), slight petroleum-like odor (4').	0.6	101EX2SB3 (3-5') 1315	
5		60/32	S-2		10" SAA.			
6							101EX2SB3 (5-7') 1320	
7					12" PEAT.	0.0		
8								
9					10" Brown/tan fine SAND.			
10					End of boring at 10 feet.	0.0		
11								



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/30	S-1		3" TOPSOIL.			
2					12" Brown SILTY SAND, some fill (porcelain, metal, coal, ash, brick).	0.0		
3					2" Pulverized GRAVEL.			
4					8" Brown/orange SAND and FILL (glass, ash, coal).			
5		72/34	S-2		5" Black FILL (coal, ash, clinker).		101EX2SB4 (3-5') 1405	
6					6" FILL.	0.0		No Monitoring Well Installed.
7					8" FILL (white cinder and ash).		101EX2SB4 (5-7') 1410	
8					12" PEAT.	0.0		
9					10" Gray fine SAND.			
10						0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7'), (7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/31	S-1		15" Brown SILTY SAND with gravel, trace fill (brick, clinker, coal, glass).			No Monitoring Well Installed.	
2						0.0			
3					5" Pulverized GRAVEL.				
4					11" FILL (brown/orange SAND with ash, coal, clinker, glass, plastic).		101EX2SB5 (3-5') 1430		
5		72/38	S-2		10" SAA.	0.0			
6							101EX2SB5 (5-7') 1435		
7					23" PEAT.				
8						0.0	101EX2SB5 (7-9') 1440		
9									
10						0.0			
11					5" Gray fine SAND.				
					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/32	S-1		4" TOPSOIL.			
1					28" FILL (brown/orange sand, gravel, ash, clinker, coal, fibrous material, glass, metal).	0.0		
2								
3								
4						0.0		
5		72/24	S-2		7" SAA.			
6								
7					12" PEAT.	0.0		
8							101EX2SB6 (7-9') 1515	
9								
10					5" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB7 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' S of 101EX2SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/31	S-1		28" Brown SAND with gravel, little fill (glass, coal, metal).	0.0		No Monitoring Well Installed.
2								
3								
4						0.0		
5		72/28	S-2		4" FILL (orange/brown sand, clinker, ash, glass).			
6					14" SAA.			
7						0.0		
8					10" PEAT.		101EX2SB7 (7-9) 1525	
9						0.0		
10					4" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB8 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/2/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' S of 101EX2SB12 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		4" TOPSOIL.	0.0		No Monitoring Well Installed.
2					26" Brown SILTY SAND with gravel, little fill (ash, glass, clinker, coal).			
3						0.0		
4					13" FILL (orange/brown sand with glass, metal, clinker, plastic, brick, porcelain, wood, coal).		101EX2SB8 (3-5') 1540	
5		72/35	S-2		15" SAA, denser fill.			
6						0.0	101EX2SB8 (5-7') 1545	
7								
8					12" PEAT.	0.0		
9								
10					8" Gray/tan fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB9 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/3/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/36	S-1		4" TOPSOIL.	0.0			
2					14" Brown SILTY SAND, little fill (plastic, coal, glass).				
3					18" Brown SILTY SAND, some fill (glass, coal, clinker, ash, gravel).				
4						0.0	101EX2SB9 (3-5') 0825		
5		72/42	S-2		18" FILL (brown/orange sand, clinker, glass, ash, gravel).				
6									
7						0.0	101EX2SB9 (5-7') 0830		
8					16" PEAT.				
9									
10					8" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 4
 LOCATION Approximately 5' S of 101EX3SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-2'), (3-4')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/40	S-1		10" TOPSOIL.	0.0		No Monitoring Well Installed.
2					3" Pulverized GRAVEL/CONCRETE. 6" Brown SILTY SAND and GRAVEL.	0.0	101EX3SB1 (1-2') 1435	
3					12" Pulverized GRAVEL/CONCRETE.			
4					6" FILL (orange/brown sand, ash, coal).	0.0	101EX3SB1 (3-4') 1440	
					End of boring at 4 feet (refusal on concrete).			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB10 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB7 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/49	S-1		12" TOPSOIL.	0.0			
2					24" Brown SILTY SAND, trace fill (glass, brick, coal).	0.0	101EX3SB10 (1-3') 1300		
3						0.0			
4					13" FILL (brown/orange/red sand, glass, plastic, cinder, coal, porcelain).	0.0	101EX3SB10 (3-5') 1305		
5		72/41	S-2		22" SAA.	0.0			No Monitoring Well Installed.
6						0.0	101EX3SB10 (5-7') 1310		
7						0.0			
8					10" PEAT.	0.0			
9						0.0			
10					9" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB11 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB10 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
		60/46	S-1		8" TOPSOIL (sandy silt with organics and sand).				
1					26" Brown SILTY SAND, some fill (glass, brick, coal, ash).	0.0			
2							101EX3SB11 (1-3') 1400		
3						0.0			
4					12" FILL (brown/orange/red sand, glass, ash, wood, cinder, coal).				
5		72/42	S-2		7" SAA.	0.0			
6					12" FILL (white ash, cinder, coal, glass, brick), slight petroleum odor, moist.				
7							101EX3SB11 (5-7') 1410		
8					15" PEAT, moist.				
9									
10					8" Gray fine SAND, moist.				
11					End of boring at 11 feet.				No Monitoring Well Installed



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB12 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/38	S-1		3" TOPSOIL.	0.0			
2					24" Brown SILTY SAND, some fill (clinker, plastic, glass).		101EX3SB12 (1-3') 1445		
3						0.0			
4					11" FILL (orange/brown sand, glass, ash, cinder, coal, clinker, brick, scrap metal).		101EX3SB12 (3-5') 1450		
5		72/46	S-2		5" SAA.	0.0			No Monitoring Well Installed.
6					15" FILL (white ash, cinder, glass, coal).		101EX3SB12 (5-7') 1455		
7						0.0			
8					17" PEAT.				
9						0.0			
10					9" Gray fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB13 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB11 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/39	S-1		4" TOPSOIL.	0.0		No Monitoring Well Installed.	
2					13" Brown SILTY SAND, little gravel.		101EX3SB13 (1-3') 1510		
3					12" Brown SILTY SAND, trace-little fill (coal, glass, ash, plastic).	0.0			
4					10" FILL (ash, cinder, coal, clinker, metal, glass, brick).		101EX3SB13 (3-5') 1515		
5		72/44	S-2		4" SAA.	0.0			
6					15" FILL (brown/orange/white cinder, ash, coal, glass, clinker), moist at bottom.		101EX3SB13 (5-7') 1520		
7						0.0			
8					15" PEAT.				
9						0.0			
10					10" Gray fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB14 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/D. Regan DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/5/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD AMS Powerprobe
 NOTES Sampled for PCBs (1-3'), (3-5'), (4'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		48/24	S-1		5" TOPSOIL.	0.0			
2					19" Brown SILTY SAND, little fill (ash, coal, glass, gravel).		101EX3SB14 (1-3') 830		
3						0.0	101EX3SB14 (3-5') 840		
4		48/26	S-2		7" FILL (brown/orange sand, ash, gravel, clinker, coal, glass).		101EX3SB14 (4') 835		
5					19" FILL (white ash, coal, clinker, brick).				
6							101EX3SB14 (5-7') 845		
7						0.0			
8		36/27	S-3		2" SAA.				
9					13" PEAT.				
10					7" Gray fine SAND.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB2 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		60/40	S-1		8" TOPSOIL (brown silty sand with gravel trace organics).			No Monitoring Well Installed.
1					16" Brown SILTY SAND, little-some FILL (glass, clinker, coal, brick).	0.0	101EX3SB2 (1-3') 930	
2					16" FILL (brown/orange SAND with glass, ash, cinder, coal).	0.0	101EX3SB2 (3-5') 935	
3					16" FILL (brown/orange SAND with glass, ash, cinder, coal).	0.0	101EX3SB2 (3-5') 935	
4					16" FILL (brown/orange SAND with glass, ash, cinder, coal).	0.0	101EX3SB2 (3-5') 935	
5		72/43	S-2		5" SAA.	0.0		
6					8" FILL (white ash, cinder, glass, brick), moist.		101EX3SB2 (5-7') 940	
7					18" PEAT, moist.			
8					18" PEAT, moist.	0.0		
9					18" PEAT, moist.			
10					12" Gray fine SAND, moist.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB3 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB2 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
		60/36	S-1		5" TOPSOIL.				
1					24" Brown SILTY SAND with FILL (clinker, coal, glass, ash, cinder, plastic).	0.0			
2							101EX3SB3 (1-3') 955		
3						0.0			
4					7" FILL (clinker, coal, glass, cinder, ash, plastic).	0.2	101EX3SB3 (3-5') 1000		
5		72/40	S-2		13" SAA with brick fragments.	0.0			No Monitoring Well Installed.
6							101EX3SB3 (5-7') 1005		
7					13" PEAT.	0.1			
8						0.0			
9					13" Gray fine SAND.				
10									
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB4 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/40	S-1		5" TOPSOIL.	0.0	101EX3SB4 (1-3') 1020	No Monitoring Well Installed.	
					4" Light brown GRAVELLY SAND.				
2					19" Dark brown SILTY SAND, trace-little fill (brick, coal, glass, clinker).				
3						0.0			
4					14" FILL (coal, ash, cinder, porcelain, glass, clinker).		101EX3SB4 (3-5') 1025		
5		72/52	S-2		8" SAA.	0.0			
6					6" Pulverized GRAVEL.		101EX3SB4 (5-7') 1030		
7					10" FILL (coal, ash, cinder, porcelain, glass, clinker).				
8					15" PEAT.				
9						0.0			
10					10" Gray fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB5 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		5" TOPSOIL.	0.0		No Monitoring Well Installed
2					28" Brown SILTY SAND, some fill (glass, porcelain, plastic, coal).	0.0		
3						0.0		
4					12" FILL (ash, brick, cinder, coal, clinker, glass).			
5		72/48	S-2		5" SAA.	0.0		
6					18" FILL (gray/white ash, cinder, coal, clinker, brick, ceramic).			
7						0.0		
8					15" PEAT.		101EX3SB5 (7-9') 1045	
9						0.0		
10					10" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB6 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/46	S-1		5" TOPSOIL.	0.0		No Monitoring Well Installed.
2					30" Brown SILTY SAND, trace fill (plastic, porcelain).		101EX3SB6 (1-3') 1055	
3						0.0		
4					12" FILL (coal, ash, clinker, brick, cinder, glass).		101EX3SB6 (3-5') 1100	
5		72/44	S-2		4" SAA.	0.0		
6					14" FILL (cinder and ash fill with glass, coal, clinker, brick, plastic, ash).		101EX3SB6 (5-7') 1105	
7						0.0		
8					15" PEAT.			
9								
10					11" Gray fine SAND.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB7 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' N of 101EX3SB4 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/36	S-1		8" TOPSOIL.				
2					18" Brown SILTY SAND, little fill (brick, porcelain, plastic).	0.0	101EX3SB7 (1-3') 1200		
3						0.0			
4					10" FILL (brown/orange/red sand, ash, cinder, glass, coal).		101EX3SB7 (3-5') 1205		
5		72/38	S-2		9" SAA.	0.0			No Monitoring Well Installed
6							101EX3SB7 (5-7') 1210		
7					2" FILL (brown/orange/red sand, ash, cinder, glass, coal).				
8					6" BRICK FRAGMENTS.	0.0			
9					3" FILL (brown/orange/red sand, ash, cinder, glass, coal).				
10					16" PEAT.	0.0			
11					3" Gray fine SAND, wet.				
					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB8 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB7 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		10" TOPSOIL.			No Monitoring Well Installed.
2					20" Brown SILTY SAND with fill (glass, porcelain, brick, coal, wood).	0.0		
3						0.0		
4					13" FILL (brown/orange/red sand, ash, cinder, glass, coal, porcelain, plastic).			
5		72/41	S-2		17" FILL (ash, brick, cinder, coal, ash, clinker, wood, glass).	0.0		
6								
7						0.0		
8					15" PEAT.		101EX3SB8 (7-9) 1225	
9						0.0		
10					9" Gray fine SAND.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX3SB9 FILTER PACK TYPE NA
 TRC GEOLOGIST J. Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN N.E. Geotech/H. Rembijas DEPTH TO WATER (Approximate Feet) NA
 DATE DRILLED 4/4/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' E of 101EX3SB8 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) NA
 DRILLING METHOD Direct Push 6600 DT Truck Rig
 NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/42	S-1		3" TOPSOIL.			No Monitoring Well Installed
					6" FILL (wood, glass, coal).			
2					20" Brown SILTY SAND, some fill (glass, coal).	0.0	101EX3SB9 (1-3') 1235	
3						0.0		
4					13" FILL (ash, cinder, coal, glass, gravel).		101EX3SB9 (3-5') 1240 DUP-8/ (MS/MSD) 1240	
5		72/45	S-2		19" SAA, moist above PEAT.	0.0		
6							101EX3SB9 (5-7') 1245	
7						0.0		
8					10" PEAT.			
9					16" Gray fine SAND.	0.0		
10								
11					End of boring at 11 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/D.Regan/H.Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 4/5/13&5/16/2013 TOTAL DEPTH (Feet) 19
 LOCATION Approximately 2.5 feet S of SB-101-4D GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD AMS Powerprobe/Geoprobe Truck Rig
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11'),(11-13')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/39	S-1		1" ASPHALT.			No Monitoring Well Installed.
2					26" Dark brown SILTY SAND, trace fill (coal, gravel, glass, porcelain).	0.0		
3					12" FILL (orange/brown sand, glass, ash, coal).			
4						0.0	1014DSB1 (3-5') 1030	
5		60/32	S-2		22" SAA.			
6						0.0	1014DSB1 (5-7') 1035	
7								
8					10" PEAT.	0.0	1014DSB1 (7-9') 1040	
9								
10		84/43	S-3		23" PEAT, moist-wet.	0.0	1014DSB1 (9-11') 1045	
11								
12						0.0	1014DSB1(prior) (11-13') 0955	
13								
14					3" Gray fine SAND, wet.			
15					14" Gray/brown SILT, wet.	0.0		
16					3" Gray fine SAND, wet.	0.0		
17					End of boring at 17 feet.			
18								
19								



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 15
 LOCATION Approximately 5 feet W of 1014DSB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/48	S-1		10" Brown SILTY SAND and GRAVEL.			No Monitoring Well Installed.
2					22" Dark brown SILTY SAND, trace fill (glass, coal, brick).	0.0		
3								
4					16" FILL (red/brown ash, coal, glass, clinker, plastic).	0.0	1014DSB1-A (3-5') 0910	
5		60/34	S-2		3" SAA.	0.0		
6					6" Pulverized GRAVEL.		1014DSB1-A (5-7') 0915	
7					2" Black PEAT.			
8					6" FILL (wood, glass, red/brown silt, white ash, coal).	0.0		
9					3" Red/brown SILT.		1014DSB1-A (7-9') 0920	
10					14" Black PEAT.			
11		60/45	S-3		12" Fill (red/brown sand, ash, coal, glass).	0.0	1014DSB1-A (9-11') 0925	
12					13" Brown PEAT, lots of organics.			
13					4" Pulverized GRAVEL.			
14					12" Brown SILT, trace chunks of granite, moist to wet.	0.0		
15					4" Gray fine SAND and GRAVEL, moist to wet.			
					End of boring at 15 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB1-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 13
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 15
 LOCATION Approximately 5 feet S of 1014DSB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-11')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/20	S-1		1" ASPHALT. 11" Brown SILTY SAND and GRAVEL.	0.0		No Monitoring Well Installed.
2								
3					8" FILL (brown/red sand, glass, metal, ash, coal, porcelain, plastic).	0.0	1014DSB1-B (3-5') 0835	
4								
5		60/31	S-2		19" FILL (white ash, coal, glass, clinker, metal).	0.0	1014DSB1-B (5-7') 0840	
6								
7								
8					12" Black PEAT.	0.0	1014DSB1-B (7-9') 0845	
9								
10		60/50	S-3		16" Brown PEAT.	0.0	1014DSB1-B (9-11') 0850	
11								
12					10" Gray fine to medium SAND, moist.	0.0		
13					24" Gray fine SAND, trace gravel, wet.			
14						0.0		
15					End of boring at 15 feet.			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 12
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 16
 LOCATION Approximately 5 feet N of 1014DSB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9'),(9-12')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/38	S-1		1" ASPHALT.			No Monitoring Well Installed.
2					6" Brown/light brown SILTY SAND.	0.0		
3					12" FILL (brown silty sand, ash, clinker, brick, glass, porcelain, coal).			
4					13" Pulverized GRAVEL.	0.0	1014DSB3-A (3-5') 1015	
5					6" FILL (brown silty sand, brick, glass, ash, coal).			
6		60/35	S-2		8" GRAVELLY SAND.	0.0	1014DSB3-A (5-7') 1020	
7					21" FILL (white ash, coal, clinker, glass, brick, plastic, porcelain, coal).	0.0		
8					6" Black PEAT.		1014DSB3-A (7-9') 1025	
9					6" FILL (brick, ash, coal, gravel).	0.0		
10					10" Brown PEAT.		1014DSB3-A (9-12') 1030	
11					5" Brown/tan SILT, moist.			
12					41" Light brown/tan fine SAND, wet at 12'.			
13						0.0		
14								
15						0.0		
16					End of boring at 16 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 12
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5 feet W of 1014DSB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/32	S-1		8" Brown SILTY SAND.			<p>No Monitoring Well Installed.</p>
2					12" Dark brown SILTY SAND, trace fill (coal, brick, porcelain).	0.0		
3					2" Pulverized GRAVEL.	0.0		
4					10" FILL (red/orange sand, coal, ash, glass, clinker).		1014DSB3-B (3-5') 0945	
5		60/33	S-2		5" Pulverized GRAVEL.	0.0		
6					16" FILL (red/brown sand, brick, glass, coal, ash, tile, metal, porcelain).		1014DSB3-B (5-7') 0950	
7						0.0		
8					12" Brown PEAT.			
9						0.0		
10		36/30	S-3		6" Brown PEAT.			
11					6" Pulverized GRAVEL.			
11					8" Brown SILT, moist.	0.0		
12					10" Gray/brown fine SAND, moist to wet.			
13					End of boring at 13 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1014DSB3-B-1 FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 11
 DATE DRILLED 5/16/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 1014DSB3B GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/41	S-1		2" TOPSOIL. 2" CONCRETE. 12" Dark brown SILTY SAND, little gravel, trace fill (glass).	0.0		No Monitoring Well Installed.
2					9" Pulverized GRAVEL.			
3					3" Dark brown SILTY SAND, little gravel, glass. 13" FILL (orange/brown sand, ash, shell fragments, coke, glass, coal).			
4						0.0		
5		96/60	S-2		23" SAA.		1014DSB3-B-1(5-7') 0940	
6						0.0		
7								
8					14" PEAT.	0.0	1014DSB3-B-1(7-9') 0945	
9								
10					23" Gray fine SAND, wet.	0.0		
11						0.0		
					End of boring at 13 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 1016ASB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 1016ASB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/43	S-1		10" Light brown SILTY SAND, some organics.	0.0	1016ASB1-A (1-3') 1345	No Monitoring Well Installed.	
2					24" Brown SILTY SAND, trace fill (glass, gravel, coal).	0.0			
3						0.0			
4					9" FILL (brown/black sand, glass, brick, coal, ash).				
5		72/34	S-2		5" SAA, with scrap metal.	0.0			
6					12" FILL (white ash, coal, glass).				
7						0.0			
8					11" Black PEAT.				
9						0.0			
10					6" Pulverized GRAVEL.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
 BORING/WELL NUMBER 1016ASB1-B
 TRC GEOLOGIST J. Robinson
 DRILLING CONTRACTOR/FOREMAN NEG/H. Rembijas
 DATE DRILLED 5/15/2013
 LOCATION Approximately 5 feet N of 1016ASB1
 SAMPLING METHOD 60" Macrocore
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (1-3').

SCREEN TYPE/SLOT NA
 FILTER PACK TYPE NA
 SEAL TYPE NA
 DEPTH TO WATER (Approximate Feet) _____
 TOTAL DEPTH (Feet) 11
 GROUND ELEVATION (Feet) _____
 REFERENCE ELEVATION (Feet) _____

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/50	S-1		11" Brown SILTY SAND, some organics.		1016ASB1-B (1-3') 1315	No Monitoring Well Installed.	
2					24" Brown SILTY SAND, some gravel.	0.0			
3						0.0			
4					15" FILL (orange/brown sand, white ash, coal, glass, porcelain, plastic).				
5		72/34	S-2		9" SAA, increased brick and scrap metal.	0.0			
6									
7					7" FILL (red/brown sand, metal, glass, nails).	0.0			
8					12" PEAT, moist.				
9						0.0			
10					6" Gray fine SAND, moist.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 12
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5 feet S of 101EX1SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7'),(7-9')

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/41	S-1		20" Brown SILTY SAND, trace organics, trace fill (glass, tile).			No Monitoring Well Installed.
2						0.0		
3					21" FILL (brown/orange sand with coal, ash, glass, brick, clinker).			
4						0.0	101EX1SB1-A (3-5') 1630	
5		60/35	S-2		32" SAA.			
6						0.0	101EX1SB1-A (5-7') 1635	
7								
8						0.0	101EX1SB1-A (7-9') 1640	
9								
10		36/35	S-3		3" SAA.			
11					20" PEAT.			
12					15" Brown SILT, wet.			
13					End of boring at 13 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB3-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet S of 101EX1SB3 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/47	S-1		22" Brown SILTY SAND, with angular gravel, trace organics, trace fill (glass, coal).	0.0	101EX1SB3-A (3-5') 1605	No Monitoring Well Installed.	
2					25" Light brown/tan fine SAND, some fine gravel.	0.0			
3									
4									
5		72/24	S-2		20" Light brown/tan fine to coarse SAND, some fine gravel.	0.0			
6									
7						0.0			
8									
9						0.0			
10					4" PEAT.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX1SB3-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet)
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 101EX1SB3 GROUND ELEVATION (Feet)
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet)
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/43	S-1		6" TOPSOIL.			No Monitoring Well Installed.
2					12" Dark brown SILTY SAND, little wood, gravel, porcelain.			
3					15" Light brown GRAVELLY SAND.	0.0		
4					10" FILL (red/brown sand, coal, ash, leather material).	0.0	101EX1SB3-B (3-5') 1525	
5		72/46	S-2		29" FILL (brown/red sand, white ash, coal, glass, clinker).			
6						0.0		
7								
8						0.0		
9					12" PEAT.			
10					5" Gray/brown fine SAND, moist.	0.0		
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB13-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB13 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/44	S-1		12" Brown SILTY SAND, little gravel.	0.0	101EX2SB13-A (5-7) 1250	No Monitoring Well Installed.	
2					16" Light brown/tan GRAVELLY SAND.				
3					8" Dark brown SILT, trace fill (glass, brick).	0.0			
4					8" FILL (brown/orange sand, ash, coal, glass, wood).				
5		72/34	S-2		5" SAA.	0.0			
6					5" Pulverized GRAVEL.				
7					7" FILL (brown/red sand, glass, coal, ash).	0.0			
8					7" Black PEAT.				
9					5" Brown very organic PEAT.	0.0			
10					5" Tan/gray fine SAND.				
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB24-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet E of 101EX2SB24 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/52	S-1		22" Brown SILTY SAND, little gravel, organics, fill (glass, coal).	0.0	101EX2SB 24-A(5-7) 1455	No Monitoring Well Installed.	
2					30" Light brown/tan fine to coarse SAND, fine rounded gravel.	0.0			
3						0.0			
4									
5		72/50	S-2		5" SAA.	0.0			
6					7" Red/orange SILT with wood.				
7					7" FILL (white ash, coal, glass, clinker, metal).	0.0			
8					6" PEAT with fill (paper, scrap metal).				
9					10" PEAT, trace fill (scrap metal).				
10					15" Gray fine SAND, moist.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB1-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/36	S-1		4" SAND and GRAVEL, trace coal.				
2					8" Dark brown SILTY SAND, trace fill (brick, coal, ash, glass, rubber, wire, clinker).	0.0			
3					6" Pulverized GRAVEL.				
4					18" FILL (brown/red sand, glass, coal, ash, porcelain, white ash).	0.0			
5					4" SAA.	0.0	101EX2SB1-A (3-5') 1050		
6		72/34	S-2		11" FILL (white ash, coal, clinker, glass).				
7					10" Black PEAT.	0.0			
8					9" Brown PEAT, lots of wood.	0.0	101EX2SB1-A (5-7') 1055		
9									
10									
11					End of boring at 11 feet.				

No Monitoring Well Installed.



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB24-B FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet N of 101EX2SB24 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/49	S-1		35" Brown SILTY SAND, trace organics, little gravel.	0.0		No Monitoring Well Installed.	
2									
3						0.0			
4					14" FILL (red/brown sand, white ash, coal, glass, brick, coal, black ash).				
5		72/28	S-2		10" SAA.	0.0	101EX2SB 24-B(5-7) 1420		
6									
7									
8					1" COBBLES. 4" Pulverized GRAVEL.	0.0			
9					5" FILL (black/orange silt, wood, plastic, glass)				
10					8" Pulverized COBBLES.	0.0			
11					End of boring at 11 feet.				



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB5-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB5 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (3-5'),(5-7').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/45	S-1		3" TOPSOIL (silty sand and organics). 14" Light brown GRAVELLY SAND, trace fill (scrap metal).	0.0		No Monitoring Well Installed.
2					14" Dark brown SILT, with gravel, trace fill (plastic).			
3						0.0		
4					6" FILL (red/orange sand, glass, gravel, ash, clinker, coal). 8" FILL (brown sand, gravel, ash, coal, glass).		101EX2 SB5-A(3-5') 1115	
5		72/44	S-2		2" SAA. 24" FILL (white ash, coal, clinker, glass, porcelain, wood), moist.	0.0		
6							101EX2 SB5-A(5-7') 1120	
7						0.0		
8								
9					4" FILL (orange sand, ash, wood), wet. 8" Black PEAT, wet.	0.0		
10					6" Gray fine to coarse SAND, wet.			
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 SCREEN TYPE/SLOT NA
 BORING/WELL NUMBER 101EX2SB9-A FILTER PACK TYPE NA
 TRC GEOLOGIST J.Robinson SEAL TYPE NA
 DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas DEPTH TO WATER (Approximate Feet) _____
 DATE DRILLED 5/15/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5 feet W of 101EX2SB9 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - Geoprobe 6600
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
		60/45	S-1		7" TOPSOIL (brown silty sand, gravel, organics).			No Monitoring Well Installed.
1					16" Light brown fine SAND and GRAVEL.	0.0		
2								
3					8" Dark brown SILTY SAND, with plastic.			
4					5" FILL (ash, coal, glass, clinker).	0.0		
					2" Pulverized BRICK.			
					2" Pulverized COAL.			
5		72/52	S-2		3" FILL (ash, coal, glass, clinker).			
					2" Crushed GLASS.	0.0		
6					20" FILL (white ash, coal, clinker, glass, scrap metal).		101EX2 SB9-A(5-7') 1225	
7								
8					12" FILL (red/orange sand, white ash, glass, coal, porcelain, ash).	0.0		
9					16" PEAT.			
10					4" Tan/gray fine SAND.	0.0	101EX2 SB9-A(7-9') 1230	
11					End of boring at 11 feet.			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 1014DSB3-A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 11
 LOCATION Approximately 5' east of 1014DSB3-A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9),(9-11').

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/30	S-1		12" TOPSOIL.	1.8		No Monitoring Well Installed.
2					6" Tan SILTY SAND, some gravel.			
3					2" FILL (glass, ash), some brown silty sand.			
4					8" Dark brown SILT and fine SAND, trace gravel.			
5					2" FILL (ash, coal, brick, glass).			
6		60/10	S-2		10" FILL (ash, coal, clinker, wood).		1014DSB3-A1 (5-7) 1225	
7								
8							1014DSB3-A1 (7-9) 1228	
9								
10					1" Dark brown SILTY SAND, some fill, trace gravel, wet.			
11		12/8	S-3		7" Grey fine-medium SAND, wet.	1.1	1014DSB3-A1 (9-11) 1235	
					End of Boring @ 11 feet			



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 1014DSB3-A1A FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' north of 1014DSB3-A1 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		60/30	S-1		9" TOPSOIL.	1.1		No Monitoring Well Installed.
2					10" Tan fine-coarse SAND, some gravel, trace cobbles.			
3					4" Dark brown SILTY SAND, trace gravel and fill (glass, ash).			
4					7" FILL (coal, ash, glass, concrete).			
5		60/14	S-2		13" FILL (glass, coal, ash, concrete).			
6							1014DSB3-A1A (5-7) (HOLD) 1325	
7								
8							1014DSB3-A1A (7-9) (HOLD) 1327	
9								
10		36/25	S-3		1" Dark brown PEAT.			
11					6" Dark brown PEAT, wet.	0.9		
12					19" Grey fine-medium SAND, trace coarse sand, wet.			
13					End of Boring @ 13 feet			



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT N/A
 BORING/WELL NUMBER 101EX2SB9-A1 FILTER PACK TYPE N/A
 TRC GEOLOGIST Zack Richards SEAL TYPE N/A
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor DEPTH TO WATER (Approximate Feet) 10
 DATE DRILLED 6/19/2013 TOTAL DEPTH (Feet) 13
 LOCATION Approximately 5' north of 101EX2SB9-A GROUND ELEVATION (Feet) _____
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Direct Push - 6620 DT Track Rig
 NOTES Sampled for PCBs (5-7),(7-9).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		60/32	S-1		9" TOPSOIL.	1.3		No Monitoring Well Installed.	
2					2" Crushed STONE.				
2					2" Dark brown SILTY SAND, little gravel.				
3					2" Crushed STONE.				
3					5" Tan fine-medium SAND, some silt, little gravel.				
3					7" Dark brown SILTY SAND, trace fill (glass, ash).				
4					5" FILL (coal, glass, ash).				
5		60/22	S-2		6" FILL (coal, glass, ash, brick).	3.4			
6					5" Dark brown SILTY SAND, some fill (glass, ash).		101EX2SB9-A1 (5-7) 1250		
7									
8					2" Crushed BRICK.				
8					2" FILL (glass, coal, ash).		101EX2SB9-A1 (7-9) 1252		
9					7" Dark brown PEAT.				
10		36/30	S-3		30" Grey fine-medium SAND, trace coarse sand and gravel, coarser at the tip, wet.	2.0		▽	
11									
12									
13					End of Boring @ 13 feet				

Notification of Supporting Document Submittal on CD

The following sections of this Release Abatement Measure Status Report will be submitted on a compact disk to the Massachusetts Department of Environmental Protection:

- Appendix D