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

March 2014

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
TRC	TRC Environmental Corporation

TABLE OF CONTENTS

TABLE

FIGURES

APPENDICES

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 pertaining to 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. 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 (TRC, 2012).

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/marking proposed boring locations, etc.) were initiated in March 2013 and soil pre-characterization sampling began in April 2013. The pre-characterization investigation at 101 Greenwood Street was completed in June 2013 and pre-characterization activities at 102 Greenwood Street were completed in October 2013.

Prior RAM-related activities are described in the following reports submitted to MassDEP by the City:

- *Release Abatement Measure Status Report – Soil Excavation and Removal at the Acquired Residential Properties, New Bedford, Massachusetts, Release Tracking Number 4-15685.* April 2013. (TRC, 2013a)

- *Release Abatement Measure Status Report – Soil Excavation and Removal at the Acquired Residential Properties, New Bedford, Massachusetts, Release Tracking Number 4-15685.* October 2013. (TRC, 2013b)

Response actions performed during the reporting period are summarized below.

2.1.1 Soil Pre-characterization Activities at 102 Greenwood Street

Eight soil borings were advanced at 102 Greenwood Street on October 21, 2013. The boring locations were surveyed and marked in advance by a licensed surveyor, Land Planning, Incorporated of Hansen, Massachusetts. Drilling services and equipment were provided by New England Geotech, LLC of Jamestown, Rhode Island, under TRC field supervision.

Three of the borings installed on October 21, 2013 were advanced to delineate the extent of polychlorinated biphenyl (PCB) concentrations detected above 50 milligrams per kilogram (mg/kg) in previous pre-characterization investigation borings. The remaining five borings were installed in contingent locations around the initial three borings, as a conservative measure in the event any of the initial three borings contained PCB concentrations above 50 mg/kg.

Pre-characterization activities were performed per the methodology set forth in the RAM Plan. The borings were located via a 1.5-meter sampling grid overlaid on the proposed excavation areas at the Site in accordance with 40 CFR §761.283. The borings were advanced by Geoprobe® direct push methods using a truck-mounted drill rig. 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 pre-determined depths corresponding to the previously identified PCB impacts in the adjacent area. Soil boring logs for the October 2013 borings are included as Appendix A.

A total of 12 soil samples collected from three boring locations 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.

PCB Aroclor sample data were assessed using the United States Environmental Protection Agency (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 for the October 2013 PCB analyses are included in Appendix B. In addition, data validation reports from pre-characterization samples collected from the Site on September 19, 2013, which were not available when the previous RAM Status report was submitted, are also provided in Appendix B.

2.2 Significant New Site Information or Data

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

2.2.2 Soil Pre-characterization Results at 102 Greenwood Street

A total of 12 soil samples collected from three boring locations (102EX1SB2A-1C1A, 102EX1-SB2A-2A-1A, and 102EX1SB2B-1A) were analyzed for PCBs. Total PCB concentrations greater than 50 mg/kg were not detected in the soil samples. The highest PCB concentration detected was 16 mg/kg (102EX1SB2A-1C1A from 5-7 feet below grade). The pre-characterization investigation sample results are provided in Table 1 and the laboratory analytical report is included in Appendix C. Pre-characterization investigation soil boring and historical soil sample locations (where samples were collected for PCB analysis) are shown on Figure 2.

In accordance with the conditional approval provided by the 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 March 5, 2014. 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 March 5, 2014 letter is included as Appendix D.

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

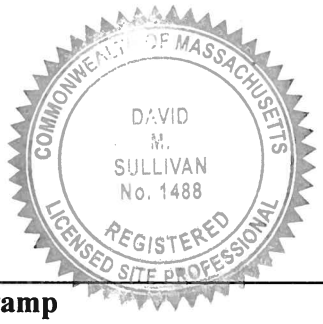
The objective of this RAM Status Report is to apprise MassDEP of the City's activities at the Acquired Residential Properties.

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

David M. Sullivan

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

3/25/2014
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.

TRC, 2013a *Release Abatement Measure Status Report, Soil Excavation and Removal at the Acquired Residential Properties, New Bedford, Massachusetts, Release Tracking Number 4-15685.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. April 2013.

TRC, 2013b *Release Abatement Measure Status Report, Soil Excavation and Removal at the Acquired Residential Properties, New Bedford, Massachusetts, Release Tracking Number 4-15685.* Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. October 2013.

TABLE

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB1				102EX1SB1-A	102EX1SB1-A-1	102EX1SB1-A-2				102EX1SB1-B				
		Sample Depth (ft.):					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 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
		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	0.61 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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	3	3	1	**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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	3	3	1	**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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB1-B-1							102EX1SB1B-1A					102EX1SB1B-1A1C	
		Sample Depth (ft.):					5-7	7-9	9-11	11-13	11-13	13-15	15-17	5-7	7-9	9-11	11-13	13-15	9-11	9-11
		Sample Date:					5/14/2013	5/14/2013	5/14/2013	6/19/2013	6/19/2013 Field Dup	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	7/19/2013	7/19/2013	7/19/2013 Field Dup
		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	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB1B-1A1				102EX1SB1B-1A2				102EX1SB1B-1A2A	102EX1SB1B-1B						102EX1SB1B-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
		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	0.56 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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**1.2**	0.12 U	0.12 U	0.11 U	**0.95**	**1.5**	**1,200**	**48**	0.11 U	**19 J**	**130 J**	**0.59**	**0.25**	**0.16**	**0.15 J**	**15**
	Aroclor-1260	2	2	3	3	1	**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	2	2	3	3	1	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	2	2	3	3	1	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	2	3	3	1	**2.13**	0.12 U	0.12 U	0.11 U	**0.95**	**1.5**	**1,200**	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2							102EX1SB2-A							
		Sample Depth (ft.):					1-3	3-5	5-7	7-9	10-12	12-15	12-15	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19
		Sample Date:					4/1/2013	4/1/2013	4/1/2013	4/1/2013	8/21/2013	8/21/2013	8/21/2013 Field Dup	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	6/19/2013	6/19/2013	6/19/2013
		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	0.13 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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2A-1						102EX1SB2A-1A					102EX1SB2A-1A1		
		Sample Depth (ft.):					5-7	7-9	9-11	11-13	13-15	15-17	5-7	7-9	9-11	11-13	13-15	5-7	7-9	9-11
		Sample Date:					5/16/2013	5/16/2013	6/28/2013	7/19/2013	7/19/2013	7/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	8/21/2013	6/19/2013	6/19/2013	6/19/2013
		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	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**11,000**	**1,700**	**430**	**600**	**1,500**	**2.9**	**2,900**	**2,300**	**60**	**8.1**	0.10 U	**2**	**7.7**	0.11 U
	Aroclor-1260	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2A-1B						102EX1SB2A-1B1A			102EX1SB2A-1B1B			102EX1SB2A-1B2		
		Sample Depth (ft.):					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 Date:					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	6/19/2013
		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	220 U	28 U	22 U	0.42 UJ	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	2	2	3	3	1	220 U	28 U	22 U	0.42 UJ	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	2	2	3	3	1	220 U	28 U	22 U	0.42 UJ	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	2	2	3	3	1	220 U	28 U	22 U	0.42 UJ	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	2	2	3	3	1	220 U	28 U	22 U	0.42 UJ	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	2	3	3	1	**2,000**	**200**	**150**	**2.5 J**	**0.17**	**0.13**	**0.58**	**0.24**	**0.82**	**2.2**	0.14 U	**0.11**	**270**	**910**	**30**
	Aroclor-1260	2	2	3	3	1	**250 J**	28 U	22 U	0.42 UJ	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	2	2	3	3	1	220 U	28 U	22 U	0.42 UJ	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	2	2	3	3	1	220 U	28 U	22 U	0.42 UJ	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	2	3	3	1	**2,250 J**	**200**	**150**	**2.5 J**	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte						Sample ID:		102EX1SB2A-1C							102EX1SB2A-1C1					
							Sample Depth (ft.):		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
							Sample Date:		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
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	TSCA	102EX1SB2A-1B2A														
							5-7	7-9													
							7/19/2013	7/19/2013													
PCBs																					
(mg/kg)	Aroclor-1016	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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 UJ	4.2 U	0.42 U
	Aroclor-1254	2	2	3	3	1	**470**	**16**	**15,000**	**480**	**430**	**180**	**9,700**	**910**	**7.5**	**8,300**	**490**	**12**	**23 J**	**28 J**	**0.81**
	Aroclor-1260	2	2	3	3	1	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 UJ	4.2 U	0.42 U
	Aroclor-1262	2	2	3	3	1	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 UJ	4.2 U	0.42 U
	Aroclor-1268	2	2	3	3	1	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 UJ	4.2 U	0.42 U
	Total PCBs	2	2	3	3	1	**470**	**16**	**16,800 J**	**480**	**430**	**180**	**9,700**	**910**	**7.5**	**8,300**	**490**	**12**	**23 J**	**28 J**	**0.81**

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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2A-1C1A							102EX1SB2A-2						
		Sample Depth (ft.):					5-7	7-9	5-7	7-9	13-15	15-17	17-19	3-5	5-7	7-9	9-11	11-13	13-15	17-18	18-20
		Sample Date:					7/19/2013	7/19/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	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
		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	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1221	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1232	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1242	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1248	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	**4.5 J**	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1254	2	2	3	3	1	**37**	0.18 U	**16**	0.13 U	**5.6**	**9.4 J**	**0.87**	**550**	**360**	**0.39**	0.10 U	**16**	**49**	**800**	**8.2**
	Aroclor-1260	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1262	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Aroclor-1268	2	2	3	3	1	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 U	47 U	56 U	0.14 U	0.10 U	4.5 U	8.2 U	210 U	1.9 U
	Total PCBs	2	2	3	3	1	**37**	0.18 U	**16**	0.13 U	**5.6**	**13.9 J**	**0.87**	**550**	**360**	**0.39**	0.10 U	**16**	**49**	**800**	**8.2**

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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2A-2A									
		Sample Depth (ft.):					3-5	5-7	7-9	9-11	11-13	11-13	13-15	15-17	17-19	19-21
		Sample Date:					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
		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	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**32**	**15**	**0.15**	**0.25 J**	**0.17**	**0.58**	**560**	**820**	**380**	**0.38**
	Aroclor-1260	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2A-2A1										102EX1-SB2A-2A-1A		
		Sample Depth (ft.):					1-3	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	19-21	13-15	15-17	17-19
		Sample Date:					9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	10/21/2013	10/21/2013	10/21/2013
		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 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1221	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1232	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1242	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1248	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1254	2	2	3	3	1	**1.7**	0.096 U	**4.0**	**2.1**	**0.57**	0.11 U	**0.67**	**230**	**4.5**	0.11 U	**0.18**	0.11 U	0.11 U
	Aroclor-1260	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1262	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1268	2	2	3	3	1	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Total PCBs	2	2	3	3	1	**1.7**	0.096 U	**4.0**	**2.1**	**0.57**	0.11 U	**0.67**	**230**	**4.5**	0.11 U	**0.18**	0.11 U	0.11 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2-B								
		Sample Depth (ft.):					3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	17-19
		Sample Date:					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
		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	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**760 J**	**2.0 J**	**5.4**	0.11 U	**0.86**	**0.25**	**0.66**	0.11 U	0.11 U
	Aroclor-1260	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB2-B-1										102EX1SB2B-1A						
		Sample Depth (ft.):					3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	17-19	19-21	3-5	3-5	13-15	13-15	15-17	15-17	17-19
		Sample Date:					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 Field Dup	9/19/2013	6/19/2013	10/21/2013	10/21/2013	10/21/2013 Field Dup	10/21/2013	10/21/2013 Field Dup	10/21/2013
		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	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1221	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1232	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1242	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1248	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1254	2	2	3	3	1	**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**	**2.4**	**0.24 J**	**0.23**	0.11 U	**0.12**	0.11 U
	Aroclor-1260	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1262	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1268	2	2	3	3	1	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
	Total PCBs	2	2	3	3	1	**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**	**2.4**	**0.24 J**	**0.23**	0.11 U	**0.12**	0.11 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX1SB3				102EX1SB3-B		102EX1SB4			102EX1SB4-A		102EX1SB4-A-1		102EX1SB4-A-1A	102EX1SB4-B	102EX1SB4-B-1
		Sample Depth (ft.):					1-3	3-5	5-7	7-9	1-3	5-7	1-3	3-5	5-7	3-5	5-7	3-5	5-7	3-5	3-5	3-5
		Sample Date:					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	5/16/2013	5/16/2013	6/19/2013	5/14/2013	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	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1221	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1232	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1242	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1248	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1254	2	2	3	3	1	**1.9**	**21**	**5,100**	**5.9**	**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**
	Aroclor-1260	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1262	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1268	2	2	3	3	1	0.23 U	2.6 U	620 U	0.88 U	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
	Total PCBs	2	2	3	3	1	**1.9**	**21**	**5,100**	**5.9**	**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**

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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX2SB1			102EX2SB2		102EX2SB3			102EX2SB3-A		102EX2SB4			102EX2SB4-A		102EX1SB4 A-1B	102EX2SB5
		Sample Depth (ft.):					1-3	5-7	5-7	1-3	5-7	1-3	5-7	7-9	1-3	5-7	1-3	5-7	7-9	1-3	5-7	3-5	7-9
		Sample Date:					4/1/2013	4/1/2013	4/1/2013 Field Dup	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
		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	0.11 U	2.3 U	4.8 U	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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	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	2	3	3	1	**0.53**	**15 J**	**36 J**	**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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	**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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	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	2	2	3	3	1	0.11 U	2.3 U	4.8 U	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	2	2	3	3	1	**0.53**	**15 J**	**36 J**	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX2SB6			102EX2SB7		102EX2SB8			102EX2SB8-A		102EX2SB8-A1	102EX2SB8-A2	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	5-7	5-7	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	6/27/2013	6/27/2013	4/1/2013	4/1/2013	4/1/2013
		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	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**220**	**800**	0.10 U	**35**	**0.84**	**9.0**	**250**	0.12 U	**62 J**	0.11 U	**41**	**12 J**	**3.0**	**0.66 J**	0.14 U
	Aroclor-1260	2	2	3	3	1	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 J**	0.41 U	**0.28 J**	0.14 U
	Aroclor-1262	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**220**	**800**	0.10 U	**35**	**0.84**	**9.0**	**250**	0.12 U	**62 J**	0.11 U	**41**	**14.2 J**	**3.0**	**0.94 J**	0.14 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:					102EX2SB11			102EX2SB12		102EX2SB13			102EX2SB13-A	102EX2SB14		SB-102-6
		Sample Depth (ft.):					1-3	5-7	5-7	1-3	5-7	1-3	5-7	7-9	5-7	1-3	5-7	4
		Sample Date:					4/1/2013	4/1/2013	4/1/2013 Field Dup	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
		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	0.12 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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**0.97 J**	**0.18**	**0.15**	**0.21**	**19**	**14**	**110**	**40**	0.13 U	**1.2**	**0.20**	**21**
	Aroclor-1260	2	2	3	3	1	**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	2	2	3	3	1	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	2	2	3	3	1	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	2	2	3	3	1	**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 parts per million (ppm).

J - Estimated value.

U - Compound was not detected at specified quantitation limit.

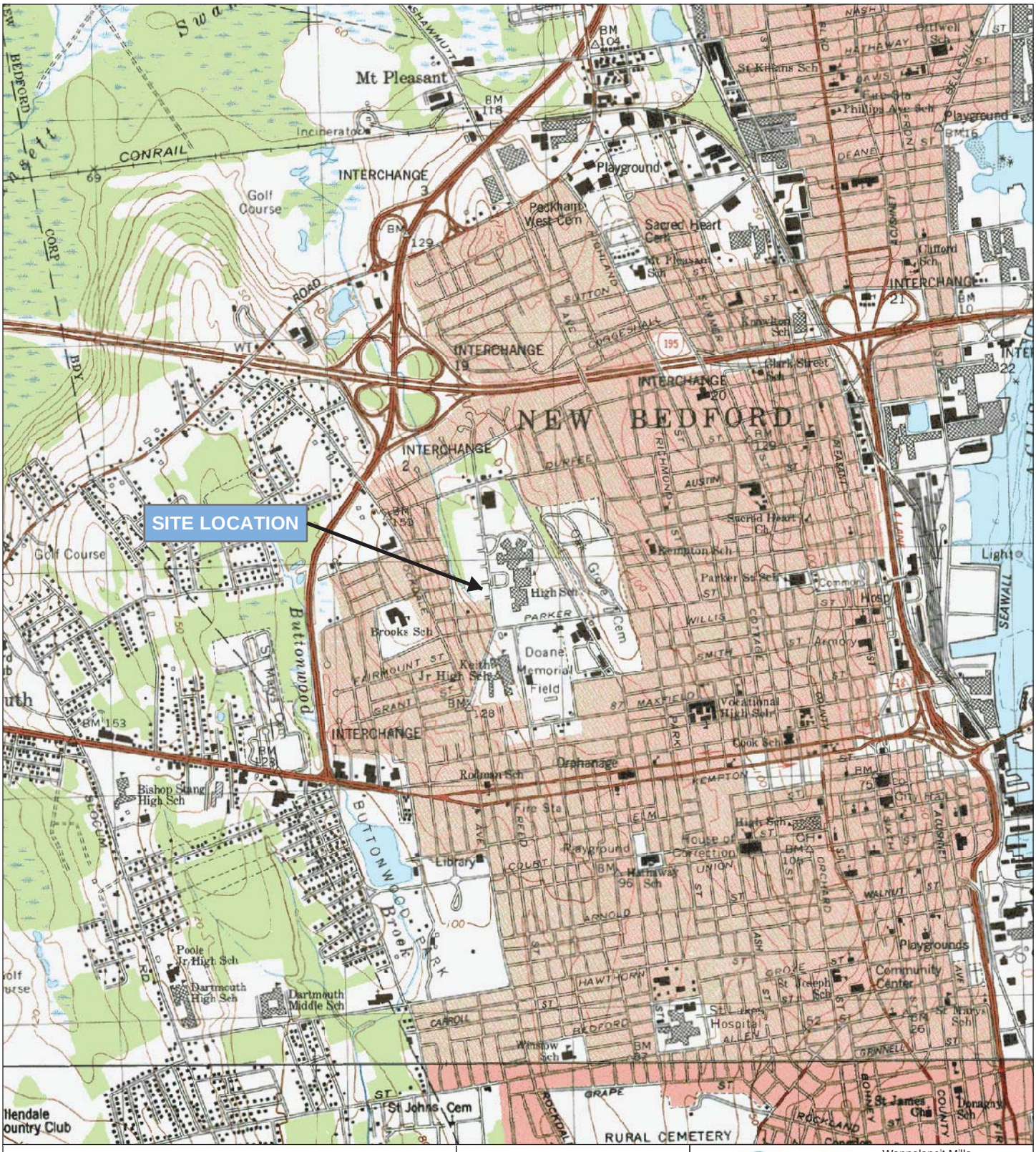
UJ - Estimated non-detect.

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

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

FIGURES



0 1,000 2,000 Feet

N

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

MASSACHUSETTS

SITE LOCATION

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

SITE LOCATION MAP

ACQUIRED RESIDENTIAL PROPERTIES

NEW BEDFORD, MA

FIGURE 1	AUGUST 2011

102 GREENWOOD STREET

MW-43

MW-44

MW-45

SB-102-1
0–1 0.179
1–3 0.0886

SB-102-2
0–1 0.0692
1–3 0.0884

SB-102-3
0–1 0.099
1–3 0.432

SB-102-4A
0–1 0.612
1–3 0.895
5–6 4.40
7–9 0.0524

SB-102-4B
0–1 0.0630
1–3 0.397
5–6 0.428
8–10 0.0504

SB-102-4C
0–1 1.205
1–3 0.609
5–7 0.674
10–12 0.0645

SB-102-4D
0–1 0.543
1–3 0.448
4–4.5 0.0701
8–10 0.0554

SB-102-5A
0–1 0.511
1–3 4.995
5–7 5.72
8–10 0.0782

SB-102-5B
0–1 4.326
1–3 5.074
5–6 0.306
6–8 0.0637

SB-102-5C
0–1 0.361
1–3 0.831
5–6 0.0725
7–9 0.0567

SB-102-7
0–1 34
1–3 5.63

SB-102-8A
0–1 0.3622
1–3 3.14
5–6 0.52
7–9 0.0565

SB-102-8B
0–1 0.22
1–3 (63.0)
5–6 37.4
7–9 0.0561

SB-102-8C
0–1 0.578
1–3 32.8
5–7 (80.3)
8–10 0.32

SB-102-8D/MW-36
0–1 0.0931
1–3 3.562
5–7 (6.28)
8–10 0.52

SB-102-9
0–1 0.178
1–3 0.246

SB-102-10
0–1 0.350
1–3 0.0505

SB-102-11
1–2 0.0523
2–6 0.250
7–9 0.0506

SB-102-12
0.5–1.5 0.457
3–5 0.886
7–9 0.0571

SB-102-MW-36
0–1 0.0931
1–3 3.562
5–7 (6.28)
8–10 0.52

SB-187
4 0.2699
6 5.88

SB-188
1 0.582
4.5 0.742
9 0.0510

SB-189
1 0.0673
3.5 0.061
7 0.191
11 0.053

SB-190
1 0.423
4 0.429
6 0.974
8 0.052

SB-191
1 0.142
4 0.065
8 0.052

SB-192
1 0.052
4 0.053
9 0.05

SB-193
1 0.301
4 0.299
10 0.053

SB-194
1 3.02
4 26.6
9 0.0535

SB-195
1 2.45
7.5 4.24
9 0.141
11 0.0551

SB-196
1 0.284
3.5 0.191
8 0.204

K1-3
0.5–3 0.117
5–7 0.117

K5.5

M1-3
3–4 0.179
7.5–8 12.4

TP102B
5–7 1.5
7–8 23

102EX1SB1-A
5–7 (33,000)
7–9 (1,120)
9–11 (803)
11–13 (760)
13–15 21

102EX1SB1A-1
9–11 0.10

102EX1SB1A-2
5–7 3.9
7–9 0.11
9–11 0.10
13–15 1.4

102EX1SB1B-1A
5–7 (100)
7–9 0.39
9–11 0.28
11–13 0.18
13–15 0.15

102EX1SB1B-1A1
9–11 0.11

102EX1SB1B-1A2
9–11 0.11

102EX1SB1B-1A2A
5–7 0.95
7–9 1.5
9–11 (1,200)
11–13 68

102EX1SB1B-1A1A
0–1 0.0630
1–3 0.397
5–6 0.428
8–10 0.0504

102EX1SB1B-1B
5–7 (400)
7–9 (400)
9–11 (720)
11–13 5.74
13–15 (130)
15–17 7.8

102EX1SB1B-1B1
5–7 15

102EX1SB1B-1C
5–7 (90)
7–9 (1,800)
9–11 45
11–13 1.0
13–15 0.13

102EX1SB1B-1D
5–7 2.19
7–9 7.7
9–11 0.11

102EX1SB1B-1E
5–7 (2,800)
7–9 (2,300)
9–11 (40)
11–13 6.1
13–15 0.5

102EX1SB1B-1F
5–7 (2,200)
7–9 (200)
9–11 (150)
11–13 2.5
13–15 0.17
15–16 0.13

102EX1SB1B-1G
5–7 (270)
7–9 (910)
9–11 30

102EX1SB1B-1H
5–7 2.2
7–9 0.14
9–11 0.11

102EX1SB1B-1I
5–7 0.58
7–9 0.24
9–11 0.82

P-102EX1SB2A-1B1
NOT DRILLED
(BOULDER)

102EX1SB1B-2
1–3 2.9
3–5 9.9
5–7 (300)
7–9 0.18

102EX1SB1B-2A
2 1.4
3.4 1,011

102EX1SB1-A
5–7 3.9

102EX1SB1
0–1 1.583
1–3 (63)
4 21

102EX1SB2-A
3–5 0.87
5–7 (14,000)
7–9 (320)
9–11 (290)
11–13 (55)
13–15 (55)
15–17 3.4
17–19 0.12

102EX1SB2
1–3 0.43
3–5 (100,000)
5–7 (160)
7–9 8.6
10–12 0.27
12–15 0.74

102EX1SB2-B
3–5 (150)
5–7 2.0
7–9 5.4
9–11 0.11
11–13 0.82
13–15 0.35
15–17 0.66
17–19 0.11

102EX1SB2-1A
5–7 (11,000)
7–9 (1,700)
9–11 (43)
11–13 (600)
13–15 (1,500)
15–17 2.9

102EX1SB2A-1A
5–7 (16,800)
7–9 (480)
9–11 (430)
11–13 (180)
13–15 (9,700)
15–17 (910)
17–18 7.2

102EX1SB2A-1B
5–7 (8,300)
7–9 (490)
9–11 12
11–13 23
13–15 28
15–17 5.81

102EX1SB2A-1C
1–3 1.7
3–5 (110)
5–7 4
7–9 2.1
9–11 0.57
11–13 (110)
13–15 0.67
15–17 (230)
17–18 4.5
19–21 0.11

102EX1SB2A-1C1
5–7 37
7–9 0.17
9–11 18
11–13 0.13
13–15 5.6
15–17 1.9
17–19 0.87

102EX1SB2A-1C1A
5–7 (470)
7–9 18

102EX1SB2A-2
1–4 0.141
9–10 2.552

102EX1SB2A-2A1
3–5 32
5–7 15
7–9 0.15
9–11 0.25
11–13 0.17
13–15 0.58
15–17 (160)
17–18 (820)
19–21 0.38

102EX1SB2A-2A1A
13–15 0.18
15–17 0.11
17–19 0.11

102EX1SB2A-1A
5–7 (2,800)
7–9 (2,300)
9–11 (40)
11–13 6.1
13–15

102EX1SB2A-1B1A
5–7 0.58
7–9 0.24
9–11 0.82

102EX1SB2A-1B1B
5–7 2.2
7–9 0.14
9–11 0.11

102EX1SB2A-1B2
5–7 (270)
7–9 (910)
9–11 30

102EX1SB2A-1B2A
5–7 (470)
7–9 18

102EX1SB2B-1
3–5 (270)
5–7 0.59
7–9 6.1
9–11 0.11
11–13 0.10
13–15 0.33
15–17 0.11
17–19 0.11
19–21 0.11

102EX1SB2B-1A
3–5 2.4
13–15 0.24
15–17 0.12
17–19 0.11

102EX1SB4-A
3–5 (3,600)
5–7 8.2

102EX1SB4-B
3–5 4.3

102EX1SB4A-1
3–5 0.53

102EX1SB4A-1A
3–5 (450)
5–7 1.4

102EX1SB4A-1B
3–5 1.4

102EX1SB4B-1
3–5 6.9

102EX1SB4-1
1–3 3.0
3–5 (1,600)
5–7 14

102EX2SB1
1–3 0.53
5–7 15
5–7 36

102EX2SB2
1–3 3.3
5–7 5.3

102EX2SB3-A
1–3 2.1
5–7 0.33

102EX2SB3
1–3 (330)
5–7 (600)
7–9 0.11

102EX2SB4
1–3 15
5–7 3.5

102EX2SB4-A
1–3 (110)
5–7 (110)
7–9 0.11

102EX2SB5
7–9 0.11

102EX2SB6
2 (66.2)
4 45.7
6 10.7

102EX2SB7
1–3 35
3–5 0.84

102EX2SB8
1–3 8.0
5–7 (350)
7–9 0.13

102EX2SB8-A
5–7 (82)
7–9 0.11

102EX2SB8-A1
5–7 41

102EX2SB8-A2
5–7 14.2

102EX2SB9
7–9 2.9

102EX2SB10
1–3 0.84
5–7 0.14

102EX2SB11
1–3 1.31
5–7 0.18

102EX2SB12
1–3 0.21
5–7 19

102EX2SB13
1–3 19
5–7 (110)
7–9 40

102EX2SB13-A
5–7 0.13

102EX2SB14
1–3 1.2
5–7 0.20

102 EX1

102 EX2

LEGEND

- EXISTING PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING CHAIN LINK FENCE
- AREA ORIGINALLY PROPOSED FOR EXCAVATION TO 7-FOOT DEPTH (CONTAINS PCBs > 50 MG/KG) / VERIFICATION SAMPLE GRID PER 40 CFR 761.283 (1.5 METERS × 1.5 METERS)
- 102 EX1 / 102 EX2 — GROUP I.D.s FOR AREAS ORIGINALLY PROPOSED FOR EXCAVATION (PREFIXES USED IN 2013 SOIL SAMPLE I.D.s)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 5-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 7-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 9-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 11-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 15-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 17-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 19-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- MW-43 — GROUND WATER MONITORING WELL
- K1...3 — PREVIOUS SITE CHARACTERIZATION BORING (PCB CONCENTRATION < 50 MG/KG)
- 102EX1SB1-A — TSCA PRECHARACTERIZATION DELINEATION BORING (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG AT ONE OR MORE SAMPLE DEPTH INTERVALS)
- SB-102-8D/MW-36 — PREVIOUS SITE CHARACTERIZATION BORING COMPLETED AS GROUNDWATER MONITORING WELL (2010)
- TP-102B — PREVIOUSLY EXCAVATED TEST PIT (SAMPLES COLLECTED FOR TOTAL PCB ANALYSIS)

SOIL SAMPLE DEPTH INTERVAL IN FEET BELOW GROUND SURFACE

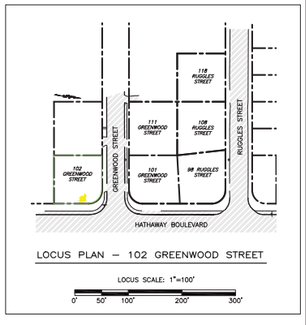
LISTS TOTAL PCB CONCENTRATION IN MG/KG IDENTIFIED IN SOIL AT THAT DEPTH INTERVAL. (GRAY SHADING INDICATES LABORATORY REPORTING LIMIT, PCBs NOT DETECTED). WHERE DUPLICATE RESULTS ARE AVAILABLE, THE HIGHER CONCENTRATION IS CITED ON THIS FIGURE.

1–3	10
3–5	10
5–7	(100)
7–9	0.33

TSCA PRECHARACTERIZATION DELINEATION SAMPLE DEPTH INTERVALS AND TOTAL PCB CONCENTRATIONS (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG WITHIN THAT INTERVAL)

NOTES

1. ONLY SOIL BORING LOCATIONS WHERE PCB DATA WAS COLLECTED ARE SHOWN ON THIS FIGURE.
2. TOTAL PCB DATA FOR TEST PIT TP102B REPRESENTS ANALYTICAL RESULTS FROM A COMPOSITE SAMPLE COLLECTED FROM SOIL EXCAVATED WITHIN THE TEST PIT AREA AT THAT DEPTH. THIS DATA DOES NOT REPRESENT ANALYSIS OF A SINGLE LOCATION OR TEST PIT SIDEWALL.



LOCUS PLAN – 102 GREENWOOD STREET

LOCUS SCALE: 1"=100'

0' 50' 100' 200' 300'

PLAN VIEW SCALE: 1"=3'

0' 1.5' 3' 6' 9'

102 GREENWOOD STREET (ACQ. RESIDENTIAL PROPERTIES) NEW BEDFORD, MA	
PRE-CHARACTERIZATION INVESTIGATION PLAN	
TRC — Wannalancit Mills, 650 Suffolk Street, Lowell, MA 01854, (978) 970-5600	FIGURE 1
DRAWN BY: DMP	DATE: DEC. 2013
CHECKED BY: DNP	

FILE: J:\Projects\115058 - New Bedford\APP - AM Plan 2013_01 Percent Design\CAD\C-10 - Site Investigation Plan_10.dwg

APPENDIX A

SOIL BORING LOGS

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

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER 102EX1SB2A-1B2A
TRC GEOLOGIST J.Robinson/J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes
DATE DRILLED 7/19/2013 & 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2A-1B2
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES Sampled for PCBs (5-7', 7-9') on 7/19/2013.

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 11
TOTAL DEPTH (Feet) 21
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
0					12" Dark brown SILT, little organics and sandy loam.			
1		60/42	S-1		30" Black/gray LANDFILL DEBRIS (ash, cinder, silt, brick glass, coal).	1.5		
2								
3								
4								
5								
6		60/54	S-2		6" SAA.		102EX1SB2A-1B2A(5-7') 08:05	
7					6" Black PEAT and ORGANIC SILT.			
8					6" CRUSHED BOULDER/COBBLES.		102EX1SB2A-1B2A(7-9') 08:10	
9					6" Black SILT (NATIVE).			
10					12" Gray/tan fine SAND, some to little silt, medium to coarse sand, little to trace sub-angular to sub-rounded gravel, dry to moist.	0.2		
11		60/42	S-3		18" Tan/brown fine SANDY SILT, moist to wet.			▽ No Monitoring Well Installed.
12					12" SAA.			
13								
14						0.0		
15								
16		60/42	S-4		30" Brown/orange to brown SILT, little to some fine to medium sand and sub-angular to sub-rounded fine to medium gravel, trace coarse sand and coarse gravel, saturated.			
17								
18						0.0		
19								
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
BORING/WELL NUMBER 102EX1SB2A-1C1A
TRC GEOLOGIST J.Robinson/J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes
DATE DRILLED 7/19/2013 & 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2A-1C1
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES Sampled for PCBs (5-7', 7-9',13-15',15-17',17-19')

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12
TOTAL DEPTH (Feet) 21
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		60/72	S-1		6" Brown SANDY SILT (LOAM), little to trace organics.			
2					36" BLACK LANDFILL DEBRIS (ash, cinder, silt, coal, glass, scrap metal), slight odor.	0.5		
3								
4								
5								
6		60/60	S-2		12" SAA.		102EX1SB2A-1C1A (5-7') 17:15	
7					12" Black organic SILT and PEAT.			
8					36" Tan/gray fine SAND (NATIVE), little to some silt, medium to coarse sand, little to trace sub-rounded to subangular fine to medium gravel, moist.	0.0	102EX1SB2A-1C1A (7-9') 17:20	
9								
10								
11		60/48	S-3		17" Light brown fine to medium SAND, loose.			No Monitoring Well Installed.
12								▽
13					31" Light brown/tan fine to coarse SAND, some silt, l little fine to coarse subangular gravel, moist to wet, dense.			
14							102EX1SB2A-1C1A (13-15') 17:40	
15								
16		60/38	S-4		8" Dark brown medium to coarse SAND, trace silt and fine sand, loose, saturated.		102EX1SB2A-1C1A (15-17') 17:45	
17					30" Tan fine to coarse SAND, some silt, some to little subangular to sub-rounded gravel, dense, saturated.			
18							102EX1SB2A-1C1A (17-19') 17:50	
19								
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
BORING/WELL NUMBER 102EX1SB2A-2A1A
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes
DATE DRILLED 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2A-2A1
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES Sampled for PCBs (13-15',15-17',17-19')

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12.25
TOTAL DEPTH (Feet) 21
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
1–4		60/48	S-1		3" Light brown fine SILTY SAND, little sub-rounded to sub-angular medium to coarse gravel. 25" Orange-brown/black fine to medium SAND and SILT, little sub-angular to angular fine to medium gravel, trace coal, ash, and asphalt fragments.			
4–6					20" Tan fine SAND, little medium to coarse sand, fine to medium subangular to sub-rounded gravel.	0.6		
6–8		60/50	S-2		24" SAA.			
8–9					10" Black ORGANIC SILT, some reworked peat and landfill debris (ash, brick, glass, coal frags).			
9–10					16" Gray fine SILTY SAND, dry (NATIVE).	0.3		
10–11		60/60	S-3		15" SAA.			No Monitoring Well Installed.
11–13					18" Tan/gray fine to medium SAND, some coarse sand and fine to coarse sub-angular to sub-rounded gravel, little to trace silt, moist to wet.			▽
13–15					27" Tan SILT, some fine sand, little to trace medium to coarse sand and fine to medium subangular gravel, wet to saturated.	0.0	102EX1SB2A-2A1A (13-15') 16:30	
15–16		60/28	S-4		12" SAA.		102EX1SB2A-2A1A (15-17') 16:35	
16–18					16" Tan fine to coarse SAND, some silt and fine to coarse sub-angular gravel, saturated.	0.0	102EX1SB2A-2A1A (17-19') 16:40	
18–21					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
BORING/WELL NUMBER 102EX1SB2A-2A1A1
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes
DATE DRILLED 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2A-1C1A
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES No Samples Analyzed

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 13
TOTAL DEPTH (Feet) 21
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		60/48	S-1		6" Tan/brown SILTY FINE SAND, little to some medium to coarse sand and fine sub-rounded gravel (1/8").			
2					12" Dark brown/gray SILT, some fine to medium sand, trace sub-angular coarse gravel and asphalt fragments.			
3					24" Brown/tan fine SAND, little to trace medium to coarse sand and silt, trace angular medium to coarse gravel (1/4-1/2")			
4								
5								
6		60/30	S-2		18" SAA, trace glass fragments.			
7						0.2		
8								
9					6" Black PEAT, some silt, trace to little ash and cinder.			
10						0.0		
11					6" Brown/gray/tan fine SAND, some medium to coarse sand, little to trace silt and sub-rounded fine to medium gravel (NATIVE).	0.0		No Monitoring Well Installed.
12		60/48	S-3		12" Pulverized BOULDER/COBBLES.			
13					18" Brown fine to medium SAND, little to some silt, sand, and sub-angular to sub-rounded fine to medium gravel, moist.	0.0		
14								
15					12" Brown SILT, some fine sand, little to trace medium sand and sub-angular fine to coarse gravel, moist to wet.			
16		60/60	S-4		6" SAA, moist to saturated.	0.0		
17					18" Dark brown coarse SAND, little to trace fine to medium sand and silt, saturated.			
18					36" Tan/brown SILT, trace to some fine to coarse sand, little to trace sub-angular to sub-rounded gravel (1/4-1/2"), saturated.			
19						0.0		
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
BORING/WELL NUMBER 102EX1SB2A-2A1A2
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes
DATE DRILLED 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2A-2A1A
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES No Samples Analyzed

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12.5
TOTAL DEPTH (Feet) 21
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		60/42	S-1		6" Tan/brown SILTY FINE SAND, little to some medium to coarse sand and fine sub-rounded gravel (1/8").			
2					12" Brown/dark gray SILT, some fine to medium sand, trace sub-angular coarse gravel and asphalt fragments.			
3					24" Tan fine SAND, little to trace medium to coarse sand and silt, trace angular medium to coarse gravel (1/4-1/2").			
4								
5								
6		60/48	S-2		24" SAA.			
7								
8								
9					12" Brown/yellow/black LANDFILL DEBRIS (ash, cinder, silt, glass), moist.	0.2		
10					12" Gray fine to coarse SAND, little to trace silt and sub-rounded fine to medium gravel, moist (NATIVE?).			
11		60/60	S-3		12" Gray/brown fine to coarse SAND, little silt.			No Monitoring Well Installed.
12					12" Brown fine to coarse SAND, little to trace silt and sub-angular to sub-rounded fine to medium gravel, moist.			
13					22" Gray fine SANDY SILT, little to trace medium sand and sub-angular to sub-rounded medium gravel, wet to saturated.			
14								
15					12" Brown fine to coarse SAND, little sub-angular to sub-rounded fine to coarse gravel, saturated.			
16		60/60	S-4		36" Brown coarse SAND, little to some medium sand, saturated.			
17								
18								
19					24" Brown SILT, dense, 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
BORING/WELL NUMBER 102EX1SB2B-1A
TRC GEOLOGIST K.Jordan/J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes/Maynor
DATE DRILLED 6/9/13 & 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2B-1
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 & 6620 Track Rig
NOTES Sampled for PCBs (3-5',13-15',15-17',17-19')

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 13.5
TOTAL DEPTH (Feet) 21
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		60/38	S-1		2" Brown SANDY SILT (LOAM), little to trace organics.			
2					10" Brown fine SAND, little to some silt, medium sand, fine sub-angular to sub-rounded gravel.			
3					6" Dark brown/black SILT, some coal and coal ash, trace landfill debris (glass frags).			
4					20" Tan fine SAND, little to trace medium sand, fine to medium sub-rounded to rounded gravel.	0.2	102EX1SB2B-1A1(3-5') 12:43	
5								
6		60/38	S-2		3" SAA.			
7					3" Black SILT, COAL ASH, GLASS.			
8					24" Black ORGANIC SILT and PEAT (NATIVE).	0.5		
9								
10					8" Tan/gray fine SAND, little to trace silt and fine to medium sub-angular to rounded fine to medium gravel.	0.0		
11		60/48	S-3		3" SAA.			No Monitoring Well Installed.
12					5" Gray SILT, moist.			
13					4" Gray fine SANDY SILT, moist to wet.			
14					36" Tan/orange/brown mottled SILT and fine to medium SAND, some to little coarse sand and sub-angular to sub-rounded fine to medium gravel.	0.0	102EX1SB2B-1A1(13-15') 13:10	
15								
16		60/46	S-4		16" SAA.		102EX1SB2B-1A1(15-17') 13:15	
17						0.0		
18					30" Tan SILT, some fine sand, little sub-rounded to rounded medium to coarse gravel, saturated.		102EX1SB2B-1A1(17-19') 13:20	
19								
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
BORING/WELL NUMBER 102EX1SB2B-1A1
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes
DATE DRILLED 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB2B-1A
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES No Samples Analyzed

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12
TOTAL DEPTH (Feet) 21
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		60/42	S-1		3" Brown SANDY SILT, trace organics.			
2					18" Brown sandy silty fine to coarse SAND, little to trace sub-rounded to rounded fine to medium gravel, trace glass, rubber, coal, ash.			
3								
4					38" Tan/brown SILTY FINE SAND.			
5						0.7		
6		60/24	S-2		16" SAA.			
7						0.5		
8								
9					3" Gray SILT (NATIVE?).			
10					5" CRUSHED BOULDER/COBBLES.	0.0		
11		60/42	S-3		12" Brown/orange fine to coarse SAND, little to trace silt, little sub-angular to sub-rounded fine gravel.			No Monitoring Well Installed.
12							▽	
13					3" Gray COBBLES and CRUSHED STONE.			
14					27" Tan silty fine to coarse SAND, little to some sub-angular to sub-rounded fine to coarse (1/8-1.5") gravel, moist to saturated.			
15						0.0		
16		60/60	S-4		24" Brown coarse SAND, little to trace fine to medium sand, fine to medium sub-rounded to rounded gravel.			
17								
18					36" Brown/tan SILT, fine to coarse sand, with trace to some sub-angular to sub-rounded fine to medium gravel (1/8-1/2") gravel, saturated.			
19						0.0		
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
BORING/WELL NUMBER 102EX1SB4A-1A
TRC GEOLOGIST K.Jordan/J. Fiero
DRILLING CONTRACTOR/FOREMAN NE. Geotech/Hayes/Maynor
DATE DRILLED 6/9/13 & 10/21/13
LOCATION Approximately 5 feet East of 102EX1SB4A-1
SAMPLING METHOD Macrocore 60"
DRILLING METHOD Geoprobe 6600 Box Truck
NOTES Sampled (3-5') on 6/19/13

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 13
TOTAL DEPTH (Feet) 21
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		60/36	S-1		3" Light brown fine SANDY SILT.			
2					12" Brown fine SILTY SAND.	0.0		
3					21" Light brown/tan fine SAND.		102EX1SB4A-1A (3-5') 16:32	
4								
5								
6		60/46	S-2		16" SAA.			
7						0.0		
8					7" Black ORGANIC SILT and PEAT (NATIVE).			
9					7" Brown fine to coarse SAND, little sub-angular to sub-rounded fine to medium gravel.			
10					5" Gray SILT, trace clay.			
11		60/54	S-3		11" Gray SILTY FINE SAND.			No Monitoring Well Installed.
12					10" SAA.	0.0		
13					36" Light tan/orange brown mottled fine to coarse SAND, little to some silt and sub-angular to sub-rounded fine to medium gravel, moist.			▽
14								
15						0.0		
16					8" Tan SILT, little to trace fine sand, wet.			
17		60/46	S-4		16" Brown silty coarse SAND, some fine sub-rounded to rounded gravel, soft, saturated.			
18					30" Light brown fine to coarse SAND, some silt and sub-angular to sub-rounded fine to coarse gravel, dense, saturated.	0.0		
19								
20						0.0		
21					End of boring at 21 feet.			

APPENDIX B

DATA VALIDATION REPORTS

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-1C1A (7-9)
102EX1SB2A-1B2A (5-7)
102EX1SB2A-1B2A (7-9)
102EX1SB2A-1B1B (5-7)
102EX1SB2A-1B1B (7-9)
102EX1SB2A-1B1B (9-11)
102EX1SB2A-1B1A (5-7)
102EX1SB2A-1B1A (7-9)
102EX1SB2A-1B1A (9-11)
102EX1SB1B-1A2A (9-11)
102EX1SB1B-1A1C (9-11)
DUP-1[1]
102EX1SB1B-1A (13-15)
102EX1SB1A-2 (13-15)
102EXS1B2A-1 (11-13)
102EXS1B2A-1 (13-15)
102EX1SB2A-1C (13-15)
102EX1SB2A-2 (11-13)
102EX1SB2A-2 (13-15)

[1]Field 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)

[1]Field 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)	

[1]Field duplicate of 102EX1SB2-B (17-19)
[2]Field 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	102EX1SB2A-1 (15-17)	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	-		
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 13H0898) 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)	-	-49.6	DUP-1 (in SDG 13H0898)	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.
	Aroclor 1016 (peak #3)	-	-50.2	102EX1SB2 (12-15)	
	Aroclor 1016 (peak #4)	-	-42.8	102EX1SB2A-1C1 (15-17)	
	Aroclor 1016 (peak #5)	-	-43.4	102EX1SB1-B (9-11)	
	Aroclor 1260 (peak #1)	-	-43.0	102EX1SB1-B (13-15)	
	Aroclor 1260 (peak #2)	-	-46.8	102EX1SB1B-1B (11-13)	
	Aroclor 1260 (peak #3)	-	-47.0	102EX1SB1B-1B (13-15)	
	Aroclor 1260 (peak #4)	-	-48.1	102EX1SB2 (10-12)	
	Aroclor 1260 (peak #5)	-	-55.6	102EX1SB2A-2 (17-18)	
				102EX1SB2A-2 (18-20)	
				102EX1SB2A-1C1 (13-15)	
8-28-13 19:39 Ending CCV	Aroclor 1016 (peak#1)	-	-50.6		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.
	Aroclor 1016 (peak #2)	-	-56.3	102EX1SB1-B (9-11)	
	Aroclor 1016 (peak #3)	-	-61.9	102EX1SB1-B (13-15)	
	Aroclor 1016 (peak #4)	-	-57.1	102EX1SB1B-1B (11-13)	
	Aroclor 1016 (peak #5)	-	-57.6	102EX1SB1B-1B (13-15)	
	Aroclor 1260 (peak #1)	-	-54.2	102EX1SB2 (10-12)	
	Aroclor 1260 (peak #2)	-	-61.2	102EX1SB2A2 (17-18)	
	Aroclor 1260 (peak #3)	-	-60.4	102EX1SB2A (18-20)	
	Aroclor 1260 (peak #4)	-	-64.2	102EX1SB2A-1C1 (13-15)	
	Aroclor 1260 (peak #5)	-	-68.4		
8-29-13 14:23 Ending CCV	Aroclor 1016 (peak#1)	-	-23.8	102EX1SB2A-1B (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.
	Aroclor 1016 (peak #2)	-21.3	-	102EX1SB2A-1B (15-16)	
	Aroclor 1016 (peak #4)	-	-24.3	102EX1SB2A-1A (13-15)	
9-26-2013 Beginning CCV	Aroclor 1254 (peak #5)	-	22.0	102EX1SB2A-2A (9-11)	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
				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	

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 where qualified when the associated Aroclor 1016 CCV standard failed to meet QC acceptance limits and results for Aroclors 1248 and 1260 where 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 13H0898), 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 13G0839), 102EX1SB2 (12-15)/DUP-1 (in SDG 13H0898), 102EX1SB2-B (17-19)/DUP-1 (in SDG 13I0734) and 102EX1SB2B-1 (17-19) (in SDG 13I0795)/DUP-02 (in SDG 13I0734) 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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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 Prepared	Date/Time Analyzed	Analyst
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

con-test® ANALYTICAL LABORATORY
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	

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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 (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		7/24/13 23:09
Decachlorobiphenyl [2]	96.2	30-150		7/24/13 23:09
Tetrachloro-m-xylene [1]	99.1	30-150		7/24/13 23:09
Tetrachloro-m-xylene [2]	92.8	30-150		7/24/13 23:09

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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 Prepared	Date/Time Analyzed	Analyst
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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	
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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 (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 Prepared	Date/Time Analyzed	Analyst
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

con-test® ANALYTICAL LABORATORY
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 Prepared	Date/Time Analyzed	Analyst
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

con-test® ANALYTICAL LABORATORY
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	
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

con-test® ANALYTICAL LABORATORY
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		
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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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	

con-test® ANALYTICAL LABORATORY
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: 13G1128-01

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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

con-test®
ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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 (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	Date/Time Analyzed
Decachlorobiphenyl [1]	135	30-150		8/28/13 13:28
Decachlorobiphenyl [2]	**154** *	30-150	S-12	8/28/13 13:28
Tetrachloro-m-xylene [1]	103	30-150		8/28/13 13:28
Tetrachloro-m-xylene [2]	120	30-150		8/28/13 13:28

con-test®
ANALYTICAL LABORATORY
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 (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

con-test® ANALYTICAL LABORATORY
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

con-test®
ANALYTICAL LABORATORY
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 J	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

con-test®
ANALYTICAL LABORATORY

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		8/29/13 12:27
Decachlorobiphenyl [2]	122	30-150		8/29/13 12:27
Tetrachloro-m-xylene [1]	135	30-150		8/29/13 12:27
Tetrachloro-m-xylene [2]	132	30-150		8/29/13 12:27

con-test® ANALYTICAL LABORATORY
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 (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 J	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		
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

con-test® ANALYTICAL LABORATORY
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		8/29/13 12:40
Decachlorobiphenyl [2]	109	30-150		8/29/13 12:40
Tetrachloro-m-xylene [1]	119	30-150		8/29/13 12:40
Tetrachloro-m-xylene [2]	116	30-150		8/29/13 12:40

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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

con-test®
ANALYTICAL LABORATORY
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 J	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	
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

con-test® ANALYTICAL LABORATORY
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 (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	Date/Time Analyzed
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

con-test® ANALYTICAL LABORATORY
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 (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 U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1221 [1]	ND U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1232 [1]	ND U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1242 [1]	ND U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 12:52	MJC
Aroclor-1248 [1]	ND U5	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

con-test®
ANALYTICAL LABORATORY
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 U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1221 [1]	ND U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1232 [1]	ND U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1242 [1]	ND U5	0.11	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:05	MJC
Aroclor-1248 [1]	ND U5	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

con-test®
ANALYTICAL LABORATORY
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

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 UJ	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1221 [1]	ND UJ	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1232 [1]	ND UJ	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1242 [1]	ND UJ	0.10	mg/Kg dry	5		SW-846 8082A	8/26/13	8/29/13 13:18	MJC
Aroclor-1248 [1]	ND UJ	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

con-test®
ANALYTICAL LABORATORY
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

con-test®
ANALYTICAL LABORATORY

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: 13I0734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (11-13) Sampled: 9/19/2013 12:55

Sample ID: 13I0734-02

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		9/26/13 16:37
Decachlorobiphenyl [2]	101	30-150		9/26/13 16:37
Tetrachloro-m-xylene [1]	94.1	30-150		9/26/13 16:37
Tetrachloro-m-xylene [2]	84.2	30-150		9/26/13 16:37

con-test®
ANALYTICAL LABORATORY
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 Prepared	Date/Time Analyzed	Analyst
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	
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

con-test®
ANALYTICAL LABORATORY
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: 13I0734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (15-17) Sampled: 9/19/2013 13:15

Sample ID: 13I0734-04

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		
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

con-test®
ANALYTICAL LABORATORY
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: 13I0734-05

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		
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

con-test®
ANALYTICAL LABORATORY
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

con-test®
ANALYTICAL LABORATORY
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: 13I0734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (9-11) Sampled: 9/19/2013 13:50

Sample ID: 13I0734-08

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

con-test®
ANALYTICAL LABORATORY
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

con-test®
ANALYTICAL LABORATORY
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		9/27/13 10:26
Decachlorobiphenyl [2]	82.2	30-150		9/27/13 10:26
Tetrachloro-m-xylene [1]	86.7	30-150		9/27/13 10:26
Tetrachloro-m-xylene [2]	79.9	30-150		9/27/13 10:26

con-test® ANALYTICAL LABORATORY
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: 13I0734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (15-17) Sampled: 9/19/2013 14:25

Sample ID: 13I0734-12

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			9/26/13 18:53
Decachlorobiphenyl [2]	109	30-150			9/26/13 18:53
Tetrachloro-m-xylene [1]	109	30-150			9/26/13 18:53
Tetrachloro-m-xylene [2]	97.4	30-150			9/26/13 18:53

con-test® ANALYTICAL LABORATORY
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: 13I0734

Date Received: 9/20/2013

Field Sample #: 102EX1SB2-B (17-19) Sampled: 9/19/2013 14:30

Sample ID: 13I0734-13

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

con-test® ANALYTICAL LABORATORY
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: 13I0734

Date Received: 9/20/2013

Field Sample #: DUP-1 Sampled: 9/19/2013 14:30

Sample ID: 13I0734-14

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	

con-test® ANALYTICAL LABORATORY
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: 13I0734-33

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 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		
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

con-test® ANALYTICAL LABORATORY
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: 13I0764

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A (19-21') Sampled: 9/19/2013 13:30

Sample ID: 13I0764-01

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	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

con-test®
ANALYTICAL LABORATORY
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: 13I0764

Date Received: 9/20/2013

Field Sample #: 102EX1SB2A-2A1 (19-21') Sampled: 9/19/2013 15:50

Sample ID: 13I0764-03

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

con-test®
ANALYTICAL LABORATORY
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: 13I0764

Date Received: 9/20/2013

Field Sample #: 102EX1SB2B-1 (19-21') Sampled: 9/19/2013 16:40

Sample ID: 13I0764-04

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		10/1/13 11:27
Decachlorobiphenyl [2]	106	30-150		10/1/13 11:27
Tetrachloro-m-xylene [1]	90.8	30-150		10/1/13 11:27
Tetrachloro-m-xylene [2]	92.6	30-150		10/1/13 11:27

con-test® ANALYTICAL LABORATORY
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 Prepared	Date/Time Analyzed	Analyst
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

con-test®
ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (3-5) Sampled: 9/19/2013 14:50

Sample ID: 13I0795-03

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

con-test®
ANALYTICAL LABORATORY

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (7-9) Sampled: 9/19/2013 15:05

Sample ID: 13I0795-05

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		10/2/13 11:46
Decachlorobiphenyl [2]	103	30-150		10/2/13 11:46
Tetrachloro-m-xylene [1]	102	30-150		10/2/13 11:46
Tetrachloro-m-xylene [2]	103	30-150		10/2/13 11:46

con-test®
ANALYTICAL LABORATORY

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 Prepared	Date/Time Analyzed	Analyst
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	
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

con-test® ANALYTICAL LABORATORY
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

con-test®
ANALYTICAL LABORATORY

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

con-test®
ANALYTICAL LABORATORY

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

con-test®
ANALYTICAL LABORATORY

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 for 10/9/13

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

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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		10/2/13 13:17
Decachlorobiphenyl [2]	96.1	30-150		10/2/13 13:17
Tetrachloro-m-xylene [1]	96.5	30-150		10/2/13 13:17
Tetrachloro-m-xylene [2]	98.9	30-150		10/2/13 13:17

con-test® ANALYTICAL LABORATORY
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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (13-15) Sampled: 9/19/2013 16:20

Sample ID: 13I0795-14

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

con-test®
ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (15-17) Sampled: 9/19/2013 16:30

Sample ID: 13I0795-15

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		10/2/13 13:56
Decachlorobiphenyl [2]	103	30-150		10/2/13 13:56
Tetrachloro-m-xylene [1]	97.6	30-150		10/2/13 13:56
Tetrachloro-m-xylene [2]	99.5	30-150		10/2/13 13:56

con-test® ANALYTICAL LABORATORY
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

Memorandum

To: David Sullivan

From: Paula DiMattei

Date: December 7, 2013

Subject: PCB Aroclor Data Validation Review: 102 Greenwood Street, New Bedford, MA: Soil Samples Collected May, June, and October 2013

SUMMARY

Limited validation was performed on the data for 36 soil samples collected in New Bedford, Massachusetts. The soil samples were collected on May 14, 2013, May 16, 2013, June 19, 2013, June 27, 2013 and October 21, 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 13F0360, 13F0361, 13F0705, 13F0978, 13F0979, 13F0984, 13F0989, 13G0406, 13G0498, 13G1131, 13G1133, 13H1166, and 13J0907 .

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 and nondetect results for all PCB Aroclors in sample 102EX1SB2A-1B (11-13') and for PCB Aroclors 1248, 1254, 1260, 1262, and 1268 in sample 102EX1SB2A-1C1 (11-13') were qualified as estimated (J, UJ) due to continuing calibration nonconformances.
- The positive result for Aroclor 1254 in sample 102EX1-SB2B-1A (13-15') was qualified as estimated (J) due to uncertainty in the Aroclor identification.
- Positive Aroclor 1254 and Aroclor 1260 results in samples 102EX1-2B2A-1C1A (15-17') and 102EX2SB8-A2 (5-7') 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:

13F0360

102EX1SB2-A (11-13')

13F0361

102EX1SB1-A-1 (9-11') 102EX1SB1-A-2 (9-11')

13F0705

102EX1SB4A-1B (3-5')

13F0978

102EX1SB2A-1B2 (5-7') 102EX1SB2A-1B2 (7-9') 102EX1SB1B-1B1 (5-7')

13F0979

102EX1SB2A-1B2 (9-11')

13F0984

102EX1SB1B-1A1 (11-13') 102EX1SB1B-1A2 (11-13') 102EX1SB2A-1A1(9-11')
102EX1SB2A-1A (11-13') 102EX1SB2A-1C (11-13') 102EX1SB2A-1B (11-13')
102EX1SB2A-1C1 (9-11')

13F0989

102EX2SB8-A1 (5-7') 102EX2SB8-A2 (5-7')

13G0406

102EX1SB2A-2A (7-9')

13G0498

102EX1SB2A-1C1 (11-13')

13G1131

102EX1SB1B-1 (13-15')

13G1133

102EX1SB1B-1 (15-17')

13H1166

102EX1SB2-A (17-19')

13J0907

102EX1-SB2B-1A 3-5' 102EX1-SB2B-1A 13-15' 102EX1-SB2B-1A 15-17' DUP-3[1]
102EX1-SB2B-1A 17-19' 102EX1-SB2A2A1A 13-15' 102EX1-SB2A2A1A 15-17' DUP-4[2]
102EX1-SB2A2A1A 17-19' 102EX1-SB2A-1C1A 5-7' 102EX1-SB2A-1C1A 7-9'
102EX1-2B2A-1C1A 13-15' 102EX1-2B2A-1C1A 15-17' 102EX1-2B2A-1C1A 17-19'

[1]Field duplicate of 102EX1SB2B-1A (15-17')
[2]Field duplicate of 102EX1SB2B-1A (13-15')

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 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, the 14-day TSCA-prescribed extraction holding time criterion was exceeded by 8-65 days for the following samples: 102-EX1SB2-A (11-13'), 102EX1SB1-A-1 (9-11'), 102EX1SB1-A-2 (9-11'), 102EX1SB2A-2A (7-9'), 102EX1SB2A-1C1 (11-13'), 102EX1SB1B-1 (13-15'), 102EX1SB1B-1 (15-17'), and 102EX1SB2-A (17-19'). 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 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		
7-10-13 13:18 Beginning CCV	Aroclor 1016 (peak # 4)	-23.8	-	102EX1SB2A-1B2 (9-11') 102EX1SB1B-1A1 (11-13') 102EXB1SB1B-1A2 (11-13') 102EX1SB2A-1A1 (9-11') 102EX1SB2A-1A (11-13') 102EX1SB2A-1C (11-13')	PCB Aroclor 1254 was detected in samples 102EX1SB2A-1B2 (9-11'), 102EX1SB2A-1A (11-13'), 102EX1SB2A-1C (11-13'), and 102EX1SB2A-1C1 (9-11). The associated 1254 CCV standard

CCV	Compound	%D		Associated samples	Data Validation Actions*
		Column 1	Column 2		
				102EX1SB2A-1C1 (9-11)	analyzed at the start of the analytical sequence and 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.
7-17-13 9:29 Beginning CCV	Aroclor 1016 (peak #4)	-23.0	-	102EX1SB2A-1C1 (11-13')	PCB Aroclor 1254 was detected in the associated sample. The associated 1254 CCV standard analyzed at the start of the analytical sequence was compliant. However, the bracketing 1260 CCV standard was noncompliant on both columns; thus, the positive Aroclor 1254 result was qualified as estimated (J). The nondetect results for the PCB Aroclors 1248, 1260, 1262, and 1268 were qualified as estimated (UJ) since the associated bracketing 1260 CCV standard was noncompliant on both columns.
7-17-13 12:04 Ending CCV	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)	-21.0 -21.2 -27.2 -21.9 -30.5 -27.7 -27.8 -23.7	- - - - - -23.0 -20.7 -		
7-15-13 9:35 Beginning CCV	Aroclor 1016 (peak #1) 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)	-35.9 -20.5 -46.9 -26.0 -21.1 -28.5 -23.4 -23.2 -	-23.6 -22.2 -25.2 -26.0 -23.2 -20.3 -25.7 -26.0 -20.9	102EX1SB2A-1B (11-13')	PCB Aroclor 1254 was detected in the associated sample. The associated 1254 CCV standard analyzed at the start of the analytical sequence was compliant. However, the bracketing 1260 CCV standard was noncompliant on both columns; thus, the positive Aroclor 1254 result was qualified as estimated (J). The results for the remaining nondetect PCB Aroclors were qualified as estimated (UJ) since the associated bracketing 1016/1260 CCV standard was noncompliant on both columns.

*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 where qualified when the associated Aroclor 1016 CCV standard failed to meet QC acceptance limits and results for Aroclors 1248, 1254, 1260, 1262, and 1268 where 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 sample 102EX1SB2A-1C1 (11-13') was reported due to the CCV nonconformance on the confirmation column.

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 required dilutions greater than 20-fold. No data validation actions were required on this basis.

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 QC acceptance criteria in all LCS/LCSD analyses.

MS/MSD Results

MS/MSD analyses were performed on the following samples: 102EX1SB2A-1B2 (5-7'), 102EX1SB1B-1A1 (11-13'), 102EX1SB2A-2A (7-9'), 102EX1-SB2A2A1A 13-15', 102EX1-SB2A-1C1A 5-7'. All criteria were met for the MS/MSD analyses performed on samples 102EX1SB1B-1A1 (11-13') and 102EX1SB2A-2A (7-9'). 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 102EX1SB2B-1A (15-17')/DUP-3 and 102EX1SB2B-1A (13-15')/DUP-4 were submitted as the field duplicate pairs with this sample set. The RPD was not calculable (NC) in the first field duplicate pair since Aroclor 1254 was not detected in sample 102EX1SB2B-1A 15-17'. The following tables summarize the field duplicate results in which all criteria were met.

Aroclor	102EX1SB2B-1A (15-17') (mg/kg)	DUP-3 (mg/kg)	RPD (%)
Aroclor 1254	0.11 U	0.12	NC

Aroclor	102EX1SB2B-1A (13-15') (mg/kg)	DUP-4 (mg/kg)	RPD (%)
Aroclor 1254	0.24	0.23	4.2

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.

Aroclors 1254 and 1260 have overlapping quantitation peaks; thus, the potential for double counting of these peaks exists when multiple Aroclors are present in the sample. 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; affected samples include 102EX1-2B2A-1C1A (15-17') and 102EX2SB8-A2 (5-7').

Target Compound Identification

All dual column RPDs for detected Aroclors were within the acceptance criteria.

The laboratory noted that sample 102EX1-SB2B-1A (13-15') contained two incompletely resolved Aroclors. Aroclor 1254 which was the closest matching pattern was reported. This result was qualified as estimated (J) due to the uncertainty in the identification.

Qualified Form Is

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: New Bedford, MA
Sample Description:
Work Order: 13F0360

Date Received: 6/11/2013

Field Sample #: 102EX1SB2-A (11-13ft)
Sampled: 5/14/2013 09:55

Sample ID: 13F0360-01

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	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1221 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1232 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1242 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1248 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1254 [2]	55	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1260 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1262 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC
Aroclor-1268 [1]	ND	8.3	mg/Kg dry	400		SW-846 8082A	6/11/13	6/13/13 10:19	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	6/13/13 10:19
Decachlorobiphenyl [2]	*	30-150	S-01	6/13/13 10:19
Tetrachloro-m-xylene [1]	*	30-150	S-01	6/13/13 10:19
Tetrachloro-m-xylene [2]	*	30-150	S-01	6/13/13 10:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
Sample Description:
Work Order: 13F0361

Date Received: 6/11/2013

Field Sample #: 102EX1SB1-A-1 (9-11ft)
Sampled: 5/16/2013 12:30

Sample ID: 13F0361-01

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	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.1	30-150		6/13/13 9:54
Decachlorobiphenyl [2]	95.4	30-150		6/13/13 9:54
Tetrachloro-m-xylene [1]	86.4	30-150		6/13/13 9:54
Tetrachloro-m-xylene [2]	86.6	30-150		6/13/13 9:54

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA | Sample Description: | Work Order: 13F0361

Date Received: 6/11/2013

Field Sample #: 102EX1SB1-A-2 (9-11ft) | Sampled: 5/16/2013 13:20

Sample ID: 13F0361-02

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	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		6/13/13 10:06
Decachlorobiphenyl [2]	99.6	30-150		6/13/13 10:06
Tetrachloro-m-xylene [1]	98.8	30-150		6/13/13 10:06
Tetrachloro-m-xylene [2]	98.9	30-150		6/13/13 10:06

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
Sample Description:
Work Order: 13F0361
Date Received: 6/11/2013
Field Sample #: 102EX1SB2-A-2 (9-11ft)
Sampled: 5/16/2013 15:20
Sample ID: 13F0361-01
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	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 9:54	MJC

Surrogates	% Recovery	Recovery Limits	Flag			
Decachlorobiphenyl [1]	99.1	30-150				
Decachlorobiphenyl [2]	95.4	30-150			6/13/13	9:54
Tetrachloro-m-xylene [1]	86.4	30-150			6/13/13	9:54
Tetrachloro-m-xylene [2]	86.6	30-150			6/13/13	9:54
					6/13/13	9:54

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford, MA
Sample Description:
Work Order: 13F0361

Date Received: 6/11/2013

Field Sample #: 102EX1SB2-A-1 (9-11ft)
Sampled: 5/16/2013 15:45

Sample ID: 13F0361-02

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	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	6/11/13	6/13/13 10:06	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		6/13/13 10:06
Decachlorobiphenyl [2]	99.6	30-150		6/13/13 10:06
Tetrachloro-m-xylene [1]	98.8	30-150		6/13/13 10:06
Tetrachloro-m-xylene [2]	98.9	30-150		6/13/13 10:06

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford - ARP
Sample Description:
Work Order: 13F0705
Date Received: 6/20/2013
Field Sample #: 102EX1SB4A-1B (3-5ft)
Sampled: 6/19/2013 17:57
Sample ID: 13F0705-01
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	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1221 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1232 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1242 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1248 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1254 [2]	1.4	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1260 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1262 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC
Aroclor-1268 [1]	ND	0.46	mg/Kg dry	20		SW-846 8082A	6/20/13	6/25/13 16:40	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	122	30-150		6/25/13 16:40
Decachlorobiphenyl [2]	126	30-150		6/25/13 16:40
Tetrachloro-m-xylene [1]	92.5	30-150		6/25/13 16:40
Tetrachloro-m-xylene [2]	92.0	30-150		6/25/13 16:40

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: New Bedford - ARP
Sample Description:
Work Order: 13F0978
Date Received: 6/27/2013
Field Sample #: 102EX1SB2A-1B2 (5-7ft)
Sampled: 6/19/2013 17:25
Sample ID: 13F0978-01
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	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1221 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1232 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1242 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1248 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1254 [1]	270	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1260 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1262 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC
Aroclor-1268 [1]	ND	31	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/2/13 9:10	MJC

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	*	30-150	S-01		
Decachlorobiphenyl [2]	*	30-150	S-01	7/2/13	9:10
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/2/13	9:10
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/2/13	9:10
				7/2/13	9:10

con-test®
ANALYTICAL LABORATORY

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

Project Location: New Bedford - ARP
Sample Description:
Work Order: 13F0978

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1B2 (7-9ft)
Sampled: 6/19/2013 17:27

Sample ID: 13F0978-02

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	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1221 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1232 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1242 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1248 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1254 [1]	910	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1260 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1262 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC
Aroclor-1268 [1]	ND	100	mg/Kg dry	4000		SW-846 8082A	6/28/13	7/2/13 8:46	MJC

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	*	30-150	S-01	7/2/13	8:46
Decachlorobiphenyl [2]	*	30-150	S-01	7/2/13	8:46
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/2/13	8:46
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/2/13	8:46

con-test®
ANALYTICAL LABORATORY

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

Project Location: New Bedford - ARP
Sample Description:
Work Order: 13F0978

Date Received: 6/27/2013

Field Sample #: 102EX1SB1B-1B1 (5-7ft)
Sampled: 6/19/2013 18:50

Sample ID: 13F0978-03

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	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1254 [1]	15	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1260 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	6/28/13	7/2/13 8:58	MJC

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	*	30-150	S-01	7/2/13	8:58
Decachlorobiphenyl [2]	*	30-150	S-01	7/2/13	8:58
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/2/13	8:58
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/2/13	8:58

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Bedford - ARP
Sample Description:
Work Order: 13F0979

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1B2 (9-11ft)
Sampled: 6/19/2013 17:30

Sample ID: 13F0979-01

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	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1221 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1232 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1242 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1248 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1254 [1]	30	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1260 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1262 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC
Aroclor-1268 [1]	ND	4.6	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:31	MJC

Surrogates	% Recovery	Recovery Limits	Flag			
Decachlorobiphenyl [1]	*	30-150	S-01			7/10/13 13:31
Decachlorobiphenyl [2]	*	30-150	S-01			7/10/13 13:31
Tetrachloro-m-xylene [1]	*	30-150	S-01			7/10/13 13:31
Tetrachloro-m-xylene [2]	*	30-150	S-01			7/10/13 13:31

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984
Date Received: 6/27/2013
Field Sample #: 102EX1SB1B-1A1 (11-13ft)
Sampled: 6/19/2013 10:17
Sample ID: 13F0984-01
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	6/28/13	7/10/13 13:44	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 13:44	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	116	30-150		7/10/13 13:44
Decachlorobiphenyl [2]	109	30-150		7/10/13 13:44
Tetrachloro-m-xylene [1]	105	30-150		7/10/13 13:44
Tetrachloro-m-xylene [2]	107	30-150		7/10/13 13:44

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984
Date Received: 6/27/2013
Field Sample #: 102EX1SB1B-1A2 (11-13ft)
Sampled: 6/19/2013 10:37
Sample ID: 13F0984-02
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	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1254 [1]	48	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1260 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	6/28/13	7/10/13 13:57	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	7/10/13 13:57
Decachlorobiphenyl [2]	*	30-150	S-01	7/10/13 13:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/10/13 13:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/10/13 13:57

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984
Date Received: 6/27/2013
Field Sample #: 102EX1SB2A-1A1 (9-11ft)
Sampled: 6/19/2013 12:00
Sample ID: 13F0984-03
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	6/28/13	7/10/13 14:10	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/28/13	7/10/13 14:10	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		7/10/13 14:10
Decachlorobiphenyl [2]	99.1	30-150		7/10/13 14:10
Tetrachloro-m-xylene [1]	103	30-150		7/10/13 14:10
Tetrachloro-m-xylene [2]	104	30-150		7/10/13 14:10

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1A (11-13ft)
Sampled: 6/19/2013 12:37

Sample ID: 13F0984-05

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	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1221 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1232 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1242 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1248 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1254 [1]	8.1	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1260 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1262 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC
Aroclor-1268 [1]	ND	2.1	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:22	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	7/10/13 14:22
Decachlorobiphenyl [2]	*	30-150	S-01	7/10/13 14:22
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/10/13 14:22
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/10/13 14:22

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1C (11-13ft)
Sampled: 6/19/2013 13:42

Sample ID: 13F0984-06

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	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1221 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1232 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1242 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1248 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1254 [1]	180	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1260 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1262 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC
Aroclor-1268 [1]	ND	23	mg/Kg dry	1000		SW-846 8082A	6/28/13	7/10/13 14:35	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	7/10/13 14:35
Decachlorobiphenyl [2]	*	30-150	S-01	7/10/13 14:35
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/10/13 14:35
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/10/13 14:35

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1B (11-13ft)
Sampled: 6/19/2013 14:12

Sample ID: 13F0984-08

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 U5	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1254 [1]	2.5 J	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1260 [1]	ND U5J	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	6/28/13	7/15/13 10:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	118	30-150		7/15/13 10:57
Decachlorobiphenyl [2]	116	30-150		7/15/13 10:57
Tetrachloro-m-xylene [1]	129	30-150		7/15/13 10:57
Tetrachloro-m-xylene [2]	118	30-150		7/15/13 10:57

con-test®
ANALYTICAL LABORATORY

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

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13F0984

Date Received: 6/27/2013

Field Sample #: 102EX1SB2A-1C1 (9-11ft)
Sampled: 6/19/2013 14:40

Sample ID: 13F0984-09

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	6/28/13	7/10/13 14:48	MJC
Aroclor-1221 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1232 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1242 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1248 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1254 [1]	12	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1260 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1262 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC
Aroclor-1268 [1]	ND	2.2	mg/Kg dry	100		SW-846 8082A	6/28/13	7/10/13 14:48	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	7/10/13 14:48
Decachlorobiphenyl [2]	*	30-150	S-01	7/10/13 14:48
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/10/13 14:48
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/10/13 14:48

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: ARP New Bedford, MA | Sample Description: | Work Order: 13F0989

Date Received: 6/27/2013

Field Sample #: 102EX2SB8-A1 (5-7ft) | Sampled: 6/27/2013 13:10

Sample ID: 13F0989-01

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	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1221 [1]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1232 [1]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1242 [1]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1248 [1]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1254 [2]	41	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1260 [2]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1262 [1]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC
Aroclor-1268 [1]	ND	5.7	mg/Kg dry	250		SW-846 8082A	6/28/13	7/2/13 23:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	7/2/13 23:17
Decachlorobiphenyl [2]	*	30-150	S-01	7/2/13 23:17
Tetrachloro-m-xylene [1]	*	30-150	S-01	7/2/13 23:17
Tetrachloro-m-xylene [2]	*	30-150	S-01	7/2/13 23:17

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13F0989

Project Location: ARP New Bedford, MA
Sample Description:

Date Received: 6/27/2013

Field Sample #: 102EX2SB8-A2 (5-7ft)
Sampled: 6/27/2013 13:40

Sample ID: 13F0989-02

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	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1221 [1]	ND	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1232 [1]	ND	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1242 [1]	ND	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1248 [1]	ND	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1254 [1]	12	1.4	mg/Kg dry	50	J	SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1260 [2]	2.2	1.4	mg/Kg dry	50	J	SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1262 [1]	ND	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	MJC
Aroclor-1268 [1]	ND	1.4	mg/Kg dry	50		SW-846 8082A	6/28/13	7/2/13 23:30	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

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13G0406

Date Received: 7/11/2013

Field Sample #: 102EX1SB2A-2A (7-9ft)
Sampled: 6/19/2013 15:17

Sample ID: 13G0406-01

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	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1254 [2]	0.15	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	7/11/13	7/13/13 17:31	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		7/13/13 17:31
Decachlorobiphenyl [2]	105	30-150		7/13/13 17:31
Tetrachloro-m-xylene [1]	109	30-150		7/13/13 17:31
Tetrachloro-m-xylene [2]	108	30-150		7/13/13 17:31

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13G0498

Project Location: ARP - New Bedford
Sample Description:

Date Received: 7/12/2013
Field Sample #: 102EX1SB2A-1C1 (11-13ft)
Sampled: 6/19/2013 14:42

Sample ID: 13G0498-01

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	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1221 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1232 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1242 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1248 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1254 [2]	23 J	4.2	mg/Kg dry	200	P-04, V-24	SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1260 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1262 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC
Aroclor-1268 [1]	ND	4.2	mg/Kg dry	200		SW-846 8082A	7/15/13	7/17/13 11:38	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	•	30-150	S-01	7/17/13 11:38
Decachlorobiphenyl [2]	•	30-150	S-01	7/17/13 11:38
Tetrachloro-m-xylene [1]	•	30-150	S-01	7/17/13 11:38
Tetrachloro-m-xylene [2]	•	30-150	S-01	7/17/13 11:38

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13G1131
Date Received: 7/29/2013
Field Sample #: 102EX1SB1B-1 (13-15ft)
Sampled: 6/19/2013 09:15
Sample ID: 13G1131-01
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	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1221 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1232 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1242 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1248 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1254 [2]	130	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1260 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1262 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB
Aroclor-1268 [1]	ND	24	mg/Kg dry	1000		SW-846 8082A	7/30/13	8/4/13 8:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag			
Decachlorobiphenyl [1]	*	30-150	S-01		8/4/13 8:53	
Decachlorobiphenyl [2]	*	30-150	S-01		8/4/13 8:53	
Tetrachloro-m-xylene [1]	*	30-150	S-01		8/4/13 8:53	
Tetrachloro-m-xylene [2]	*	30-150	S-01		8/4/13 8:53	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13G1133

Date Received: 7/29/2013

Field Sample #: 102EX1SB1B-1 (15-17ft)
Sampled: 6/19/2013 09:17

Sample ID: 13G1133-01

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	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1221 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1232 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1242 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1248 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1254 [1]	7.8	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1260 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1262 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC
Aroclor-1268 [1]	ND	1.7	mg/Kg dry	80		SW-846 8082A	8/2/13	8/6/13 17:26	MJC

Surrogates	% Recovery	Recovery Limits	Flag		
Decachlorobiphenyl [1]	*	30-150	S-01		8/6/13 17:26
Decachlorobiphenyl [2]	*	30-150	S-01		8/6/13 17:26
Tetrachloro-m-xylene [1]	*	30-150	S-01		8/6/13 17:26
Tetrachloro-m-xylene [2]	*	30-150	S-01		8/6/13 17:26

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: ARP - New Bedford
Sample Description:
Work Order: 13H1166

Date Received: 8/30/2013

Field Sample #: 102EXISB2-A (17-19ft)
Sampled: 6/19/2013 08:37

Sample ID: 13H1166-01

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	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1254 [2]	0.12	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/6/13	9/9/13 11:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	144	30-150		9/9/13 11:14
Decachlorobiphenyl [2]	132	30-150		9/9/13 11:14
Tetrachloro-m-xylene [1]	120	30-150		9/9/13 11:14
Tetrachloro-m-xylene [2]	118	30-150		9/9/13 11:14

con-test®
ANALYTICAL LABORATORY
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: 13J0907

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2B-1A 3-5 Sampled: 10/21/2013 15:15

Sample ID: 13J0907-01

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	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1254 [1]	2.4	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1260 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 15:20	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	121	30-150		10/28/13 15:20
Decachlorobiphenyl [2]	105	30-150		10/28/13 15:20
Tetrachloro-m-xylene [1]	112	30-150		10/28/13 15:20
Tetrachloro-m-xylene [2]	109	30-150		10/28/13 15:20

con-test®
ANALYTICAL LABORATORY
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: 13J0907

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2B-1A 13-15 Sampled: 10/21/2013 15:35

Sample ID: 13J0907-02

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	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1254 [2]	0.24	0.11	mg/Kg dry	5	J	SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		10/29/13 19:16
Decachlorobiphenyl [2]	97.1	30-150		10/29/13 19:16
Tetrachloro-m-xylene [1]	97.7	30-150		10/29/13 19:16
Tetrachloro-m-xylene [2]	99.4	30-150		10/29/13 19:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford
Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2B-1A 15-17
Sampled: 10/21/2013 15:40

Sample ID: 13J0907-03

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	10/25/13	10/29/13 19:29	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		10/29/13 19:29
Decachlorobiphenyl [2]	97.0	30-150		10/29/13 19:29
Tetrachloro-m-xylene [1]	97.4	30-150		10/29/13 19:29
Tetrachloro-m-xylene [2]	99.0	30-150		10/29/13 19:29

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford
Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2B-1A 17-19
Sampled: 10/21/2013 15:45

Sample ID: 13J0907-04

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	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	116	30-150		10/29/13 19:42
Decachlorobiphenyl [2]	106	30-150		10/29/13 19:42
Tetrachloro-m-xylene [1]	101	30-150		10/29/13 19:42
Tetrachloro-m-xylene [2]	102	30-150		10/29/13 19:42

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford
Sample Description:

Date Received: 10/23/2013

Field Sample #: DUP-3
Sampled: 10/21/2013 15:55

Sample ID: 13J0907-05

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	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1254 [1]	0.12	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 19:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		10/29/13 19:55
Decachlorobiphenyl [2]	102	30-150		10/29/13 19:55
Tetrachloro-m-xylene [1]	103	30-150		10/29/13 19:55
Tetrachloro-m-xylene [2]	105	30-150		10/29/13 19:55

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford
Sample Description:

Date Received: 10/23/2013

Field Sample #: DUP-4
Sampled: 10/21/2013 16:00

Sample ID: 13J0907-06

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	10/25/13	10/29/13 20:33	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1254 [1]	0.23	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	119	30-150		10/29/13 20:33
Decachlorobiphenyl [2]	103	30-150		10/29/13 20:33
Tetrachloro-m-xylene [1]	92.7	30-150		10/29/13 20:33
Tetrachloro-m-xylene [2]	94.0	30-150		10/29/13 20:33

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2A2A1A 13-15 Sampled: 10/21/2013 16:30

Sample ID: 13J0907-07

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	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1254 [1]	0.18	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		10/29/13 20:46
Decachlorobiphenyl [2]	98.2	30-150		10/29/13 20:46
Tetrachloro-m-xylene [1]	92.7	30-150		10/29/13 20:46
Tetrachloro-m-xylene [2]	93.8	30-150		10/29/13 20:46

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2A2A1A 15-17 Sampled: 10/21/2013 16:35

Sample ID: 13J0907-08

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	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 20:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	133	30-150		10/29/13 20:58
Decachlorobiphenyl [2]	114	30-150		10/29/13 20:58
Tetrachloro-m-xylene [1]	105	30-150		10/29/13 20:58
Tetrachloro-m-xylene [2]	107	30-150		10/29/13 20:58

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford
Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2A2A1A 17-19
Sampled: 10/21/2013 16:40

Sample ID: 13J0907-09

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	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	131	30-150		10/29/13 21:11
Decachlorobiphenyl [2]	113	30-150		10/29/13 21:11
Tetrachloro-m-xylene [1]	97.6	30-150		10/29/13 21:11
Tetrachloro-m-xylene [2]	99.6	30-150		10/29/13 21:11

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2A-1C1A 5-7 Sampled: 10/21/2013 17:15

Sample ID: 13J0907-10

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	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1221 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1232 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1242 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1248 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1254 [1]	16	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1260 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1262 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB
Aroclor-1268 [1]	ND	2.6	mg/Kg dry	100		SW-846 8082A	10/25/13	10/29/13 21:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	10/29/13 21:24
Decachlorobiphenyl [2]	*	30-150	S-01	10/29/13 21:24
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/29/13 21:24
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/29/13 21:24

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Work Order: 13J0907

Project Location: 102 Greenwood St., New Bedford
Sample Description:

Date Received: 10/23/2013

Field Sample #: 102EX1-SB2A-1C1A 7-9
Sampled: 10/21/2013 17:20

Sample ID: 13J0907-11

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	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	10/25/13	10/29/13 21:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		10/29/13 21:37
Decachlorobiphenyl [2]	94.5	30-150		10/29/13 21:37
Tetrachloro-m-xylene [1]	95.7	30-150		10/29/13 21:37
Tetrachloro-m-xylene [2]	97.6	30-150		10/29/13 21:37

con-test®
ANALYTICAL LABORATORY
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: 13J0907

Date Received: 10/23/2013

Field Sample #: 102EX1-2B2A-1C1A 13-15 Sampled: 10/21/2013 17:40

Sample ID: 13J0907-12

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	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1221 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1232 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1242 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1248 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1254 [1]	5.6	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1260 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1262 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB
Aroclor-1268 [1]	ND	0.86	mg/Kg dry	40		SW-846 8082A	10/25/13	10/29/13 21:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	10/29/13 21:49
Decachlorobiphenyl [2]	*	30-150	S-01	10/29/13 21:49
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/29/13 21:49
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/29/13 21:49

con-test®
ANALYTICAL LABORATORY
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: 13J0907

Date Received: 10/23/2013

Field Sample #: 102EX1-2B2A-1C1A 15-17
Sampled: 10/21/2013 17:45

Sample ID: 13J0907-13

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	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1221 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1232 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1242 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1248 [2]	4.5 J	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1254 [1]	9.4 J	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1260 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1262 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB
Aroclor-1268 [1]	ND	1.9	mg/Kg dry	80		SW-846 8082A	10/25/13	10/29/13 22:02	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	10/29/13 22:02
Decachlorobiphenyl [2]	*	30-150	S-01	10/29/13 22:02
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/29/13 22:02
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/29/13 22:02

con-test®
ANALYTICAL LABORATORY
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: 13J0907
Date Received: 10/23/2013
Field Sample #: 102EX1-2B2A-1C1A 17-19
Sampled: 10/21/2013 17:50
Sample ID: 13J0907-14
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	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1254 [1]	0.87	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/25/13	10/28/13 18:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	141	30-150		10/28/13 18:32
Decachlorobiphenyl [2]	119	30-150		10/28/13 18:32
Tetrachloro-m-xylene [1]	104	30-150		10/28/13 18:32
Tetrachloro-m-xylene [2]	101	30-150		10/28/13 18:32

APPENDIX C

LABORATORY REPORT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 9, 2013

Matt Oliveira
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: 102 Greenwood St., New Bedford, MA
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 13I0795

Enclosed are results of analyses for samples received by the laboratory on September 24, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Matt Oliveira

REPORT DATE: 10/9/2013

PURCHASE ORDER NUMBER: 57137

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0795

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 102 Greenwood St., New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
102EX1SB2A-2A1 (1-3)	13I0795-02	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (3-5)	13I0795-03	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (5-7)	13I0795-04	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (7-9)	13I0795-05	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (9-11)	13I0795-06	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (11-13)	13I0795-07	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (13-15)	13I0795-08	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (15-17)	13I0795-09	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2A-2A1 (17-19)	13I0795-10	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2B-1 (7-9)	13I0795-11	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2B-1 (9-11)	13I0795-12	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2B-1 (11-13)	13I0795-13	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2B-1 (13-15)	13I0795-14	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2B-1 (15-17)	13I0795-15	Soil		SM 2540G	
				SW-846 8082A	
102EX1SB2B-1 (17-19)	13I0795-16	Soil		SM 2540G	
				SW-846 8082A	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 10/09/2013 - 13I0795-10 ID revised per clients request.

SW-846 8082A

Qualifications:

A five times dilution was perfomed as part of the standard analytical procedure.

Analyte & Samples(s) Qualified:

13I0795-03[102EX1SB2A-2A1 (3-5)], 13I0795-07[102EX1SB2A-2A1 (11-13)], 13I0795-12[102EX1SB2B-1 (9-11)], 13I0795-13[102EX1SB2B-1 (11-13)], 13I0795-15[102EX1SB2B-1 (15-17)], 13I0795-16[102EX1SB2B-1 (17-19)]

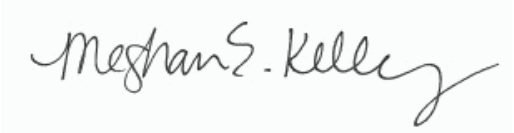
The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

13I0795-04[102EX1SB2A-2A1 (5-7)], 13I0795-09[102EX1SB2A-2A1 (15-17)], 13I0795-10[102EX1SB2A-2A1 (17-19)], 13I0795-11[102EX1SB2B-1 (7-9)]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Project Chemist

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (1-3) Sampled: 9/19/2013 14:45

Sample ID: 13I0795-02

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	0.50	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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (1-3) Sampled: 9/19/2013 14:45

Sample ID: 13I0795-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (3-5) Sampled: 9/19/2013 14:50

Sample ID: 13I0795-03

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (3-5) Sampled: 9/19/2013 14:50

Sample ID: 13I0795-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.7		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (5-7) Sampled: 9/19/2013 15:00

Sample ID: 13I0795-04

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (5-7) Sampled: 9/19/2013 15:00

Sample ID: 13I0795-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (7-9) Sampled: 9/19/2013 15:05

Sample ID: 13I0795-05

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		10/2/13 11:46
Decachlorobiphenyl [2]	103	30-150		10/2/13 11:46
Tetrachloro-m-xylene [1]	102	30-150		10/2/13 11:46
Tetrachloro-m-xylene [2]	103	30-150		10/2/13 11:46

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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (7-9) Sampled: 9/19/2013 15:05

Sample ID: 13I0795-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	54.6		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (9-11) Sampled: 9/19/2013 15:15

Sample ID: 13I0795-06

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 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	
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

con-test® ANALYTICAL LABORATORY

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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (9-11) Sampled: 9/19/2013 15:15

Sample ID: 13I0795-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (11-13) Sampled: 9/19/2013 15:25

Sample ID: 13I0795-07

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (11-13) Sampled: 9/19/2013 15:25

Sample ID: 13I0795-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (13-15) Sampled: 9/19/2013 15:30

Sample ID: 13I0795-08

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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (13-15) Sampled: 9/19/2013 15:30

Sample ID: 13I0795-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.2		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (15-17) Sampled: 9/19/2013 15:40

Sample ID: 13I0795-09

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

con-test® ANALYTICAL LABORATORY

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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (15-17) Sampled: 9/19/2013 15:40

Sample ID: 13I0795-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.6		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (17-19) Sampled: 9/19/2013 15:45

Sample ID: 13I0795-10

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2A-2A1 (17-19) Sampled: 9/19/2013 15:45

Sample ID: 13I0795-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (7-9) Sampled: 9/19/2013 16:05

Sample ID: 13I0795-11

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (7-9) Sampled: 9/19/2013 16:05

Sample ID: 13I0795-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.8		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (9-11) Sampled: 9/19/2013 16:10

Sample ID: 13I0795-12

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		10/2/13 13:17
Decachlorobiphenyl [2]	96.1	30-150		10/2/13 13:17
Tetrachloro-m-xylene [1]	96.5	30-150		10/2/13 13:17
Tetrachloro-m-xylene [2]	98.9	30-150		10/2/13 13:17

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (9-11) Sampled: 9/19/2013 16:10

Sample ID: 13I0795-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.0		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (11-13) Sampled: 9/19/2013 16:15

Sample ID: 13I0795-13

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (11-13) Sampled: 9/19/2013 16:15

Sample ID: 13I0795-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.1		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (13-15) Sampled: 9/19/2013 16:20

Sample ID: 13I0795-14

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (13-15) Sampled: 9/19/2013 16:20

Sample ID: 13I0795-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (15-17) Sampled: 9/19/2013 16:30

Sample ID: 13I0795-15

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		10/2/13 13:56
Decachlorobiphenyl [2]	103	30-150		10/2/13 13:56
Tetrachloro-m-xylene [1]	97.6	30-150		10/2/13 13:56
Tetrachloro-m-xylene [2]	99.5	30-150		10/2/13 13:56

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (15-17) Sampled: 9/19/2013 16:30

Sample ID: 13I0795-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.7		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (17-19) Sampled: 9/19/2013 16:35

Sample ID: 13I0795-16

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

con-test® ANALYTICAL LABORATORY
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: 13I0795

Date Received: 9/24/2013

Field Sample #: 102EX1SB2B-1 (17-19) Sampled: 9/19/2013 16:35

Sample ID: 13I0795-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.8		% Wt	1		SM 2540G	10/1/13	10/2/13 8:47	MXG

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13I0795-02 [102EX1SB2A-2A1 (1-3)]	B081957	10/01/13
13I0795-03 [102EX1SB2A-2A1 (3-5)]	B081957	10/01/13
13I0795-04 [102EX1SB2A-2A1 (5-7)]	B081957	10/01/13
13I0795-05 [102EX1SB2A-2A1 (7-9)]	B081957	10/01/13
13I0795-06 [102EX1SB2A-2A1 (9-11)]	B081957	10/01/13
13I0795-07 [102EX1SB2A-2A1 (11-13)]	B081957	10/01/13
13I0795-08 [102EX1SB2A-2A1 (13-15)]	B081957	10/01/13
13I0795-09 [102EX1SB2A-2A1 (15-17)]	B081957	10/01/13
13I0795-10 [102EX1SB2A-2A1 (17-19)]	B081957	10/01/13
13I0795-11 [102EX1SB2B-1 (7-9)]	B081957	10/01/13
13I0795-12 [102EX1SB2B-1 (9-11)]	B081957	10/01/13
13I0795-13 [102EX1SB2B-1 (11-13)]	B081957	10/01/13
13I0795-14 [102EX1SB2B-1 (13-15)]	B081957	10/01/13
13I0795-15 [102EX1SB2B-1 (15-17)]	B081957	10/01/13
13I0795-16 [102EX1SB2B-1 (17-19)]	B081957	10/01/13

Prep Method: SW-846 3540C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0795-02 [102EX1SB2A-2A1 (1-3)]	B081664	10.4	10.0	09/26/13
13I0795-03 [102EX1SB2A-2A1 (3-5)]	B081664	10.7	10.0	09/26/13
13I0795-04 [102EX1SB2A-2A1 (5-7)]	B081664	10.5	10.0	09/26/13
13I0795-05 [102EX1SB2A-2A1 (7-9)]	B081664	10.2	10.0	09/26/13
13I0795-06 [102EX1SB2A-2A1 (9-11)]	B081664	10.6	10.0	09/26/13
13I0795-07 [102EX1SB2A-2A1 (11-13)]	B081664	10.5	10.0	09/26/13
13I0795-08 [102EX1SB2A-2A1 (13-15)]	B081664	10.6	10.0	09/26/13
13I0795-09 [102EX1SB2A-2A1 (15-17)]	B081664	10.1	10.0	09/26/13
13I0795-10 [102EX1SB2A-2A1 (17-19)]	B081664	10.6	10.0	09/26/13
13I0795-11 [102EX1SB2B-1 (7-9)]	B081664	10.6	10.0	09/26/13
13I0795-12 [102EX1SB2B-1 (9-11)]	B081664	10.2	10.0	09/26/13
13I0795-13 [102EX1SB2B-1 (11-13)]	B081664	10.3	10.0	09/26/13
13I0795-14 [102EX1SB2B-1 (13-15)]	B081664	10.3	10.0	09/26/13
13I0795-15 [102EX1SB2B-1 (15-17)]	B081664	10.1	10.0	09/26/13
13I0795-16 [102EX1SB2B-1 (17-19)]	B081664	10.6	10.0	09/26/13

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081664 - SW-846 3540C										
Blank (B081664-BLK1)				Prepared: 09/26/13 Analyzed: 10/02/13						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.222*		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg wet	0.200		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
LCS (B081664-BS1)				Prepared: 09/26/13 Analyzed: 10/02/13						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		97.7	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		103	40-140			
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.192*		mg/Kg wet	0.200		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.197*		mg/Kg wet	0.200		98.4	30-150			
LCS Dup (B081664-BSD1)				Prepared: 09/26/13 Analyzed: 10/02/13						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		94.2	40-140	7.14	30	
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		94.0	40-140	8.13	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		93.5	40-140	4.41	30	
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		99.1	40-140	4.23	30	
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg wet	0.200		98.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.200		84.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg wet	0.200		86.2	30-150			

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

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B081957 - % Solids										
Duplicate (B081957-DUP1)	**Source: 13I0795-03**			Prepared: 10/01/13 Analyzed: 10/02/13						
% Solids	96.9		% Wt		97.7			0.822	20	
Duplicate (B081957-DUP2)	**Source: 13I0795-12**			Prepared: 10/01/13 Analyzed: 10/02/13						
% Solids	95.5		% Wt		96.0			0.522	20	

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-32	A five times dilution was perfomed as part of the standard analytical procedure.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

1310795

1310795 MO

CHAIN OF CUSTODY RECORD

Rev 04.05.12

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Company Name: TRC
Address: 650 SUFFOLK ST
LOWELL MA
Attention: DAVID S. x MATT O
Project Location: 102 GREENWOOD / NEW BEDFORD MA
Sampled By: J. FIERO

Telephone: 978-970-5600
Project #: 115058
Client PO#: 57137

DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ☑ WEBSITE
Fax #:
Email:
Format: ☑ PDF ☑ EXCEL ☑ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (lab use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	PCBs by Soxhlet	Archive by 1/15 Soxhlet-Multiple Dils
01 11	102EX1SB2-B 15-16'	9/19/13	14:10	✓		S		1		A	✓	
12	102EX1SB2-B 15-17'		14:25	✓				1		A	✓	
13	102EX1SB2-B 17-19'		14:30	✓				1		A	✓	
MS 14	DUP-1		14:30	✓				1		A	✓	
15	102EX1SB2-B 19-20'		14:35	✓				1		A	✓	
02 16	102EX1SB2A-2A1 1-3'		14:45	✓				1		A	✓	X
03 17	102EX1SB2A-2A1 3-5'		14:50	✓				1		A	✓	X
04 18	102EX1SB2A-2A1 5-7'		15:00	✓				1		A	✓	X
05 19	102EX1SB2A-2A1 7-9'		15:05	✓				1		A	✓	X
06 20	102EX1SB2A-2A1 9-11'		15:15	✓				1		A	✓	X

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments: H = HOLD SAMPLE (EXTRACT + HOLD)
Per attached email, all #'d samples are to be extracted and held. MS 9/24/13

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature]	9/20 14:00
Received by: (signature)	Date/Time:
[signature] 9/20/13	14:18
Relinquished by: (signature)	Date/Time:
[signature] 9/20/13	20 3
Received by: (signature)	Date/Time:
Rebecca Dawe 3.9°C 9/20/13	2035

Turnaround ††
☐ 7-Day
☐ 10-Day
☑ Other 5
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MCP
≤1 ppm
Connecticut:
Other:

Is your project MCP or RCP?
☑ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

1310795

CHAIN OF CUSTODY RECORD

Rev 04.05.12

Company Name: TRC
Address: 650 SUFFOLK ST
LOWELL MA
Attention: DAVID SULLIVAN MATT O.
Project Location: 102 GREENWOOD / NEW BEDFORD MA
Sampled By: J. FIERO 617-462-9090

Telephone: 978-970-5600
Project #: 115058
Client PO#: 57137

DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ☑ WEBSITE
Fax #:
Email: DSULLIVAN@TRCSOLUTIONS.COM
Format: ☑ PDF ☑ EXCEL ☑ GIS
○ OTHER
☑ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Cont. Code	# of Containers	** Preservation	***Container Code
-01	102 EXISB2A-2A1 11-13'	9/19/13	15:25	✓		S		1 EA	I	A
-08	102 EXISB2A-2A1 13-15'		15:30	✓						
-09	102 EXISB2A-2A1 15-17'		15:40	✓						
-10	102 EXISB2A-2A1 17-19'		15:45	✓						
	102 EXISB2A-2A1 19-21'		15:50	✓					H	
-11	102 EXISB2B-1 7-9'		16:05	✓						
-12	102 EXISB2B-1 9-11'		16:10	✓						
-13	102 EXISB2B-1 11-13'		16:15	✓						
-14	102 EXISB2B-1 13-15'		16:20	✓						
-15	102 EXISB2B-1 15-17'		16:30	✓						

ANALYSIS REQUESTED
PCBs by SOXHLET
Hg Mass Balance
Solvent Wipes

Comments: H = HOLD EXTRACT & HOLD.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

Dissolved Metals
○ Field Filtered
○ Lab to Filter

	Date/Time:
Relinquished by: (signature)	9/20 14:00
Received by: (signature)	9/20/13 1995
Relinquished by: (signature)	9/20/13 2030
Received by: (signature) 3.9<	9/20/13 2030

Turnaround ††
☐ 7-Day
☐ 10-Day
☑ Other 5
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MCP
≤ 1 ppm
Connecticut:
Other:

Is your project MCP or RCP?
☑ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

1310795

CHAIN OF CUSTODY RECORD

1310734

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Rev 04.05.12

Company Name: TRC
Address: 650 SUFFOLK ST. LOWELL MA
Attention: DAVID SULLIVAN. MATT O
Project Location: 102 GREENWOOD/NEW BEDFORD MA
Sampled By: J. FIERO

Telephone: 978-970-5600
Project # 115058
Client PO# 57137

DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ☑ WEBSITE
Fax #
Email:
Format: ☑ PDF ☑ EXCEL ☑ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs by SOXHLET
116	102EX1SB2B-1 17-19'	9/19/13	16:35	✓		S		✓
MW	102EX1SB2B-1 19-21'	↓	16:40	✓		S		H
3B	DUP-2	↓	16:35	✓		S		✓

ANALYSIS REQUESTED
Hold until 9/20 if not submitted by 9/20

	# of Containers	** Preservation	***Container Code
EA			
H			
A			

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL= sludge
O = other

Comments: H = HOLD EXTRACT & HOLD SAMPLE.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	9/20 14:00
Received by: (signature)	Date/Time:
	9/20/13 14
Relinquished by: (signature)	Date/Time:
	9/20/13 2030
Received by: (signature) 3.9°C	Date/Time:
9/20/13	2030

Turnaround ††
☐ 7-Day
☐ 10-Day
☑ Other 5 Day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MCP
5 1ppm
Connecticut:
Other:

Is your project MCP or RCP ?
☑ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1310134
Rev 04.05.12

PCBs

Company Name: TRC
Address: 650 SUFFOLK ST
LOWELL MA
Attention: DAVID S. MATT O.
Project Location: 102 GREENWOOD CITY OF NEWBEDFORD
Sampled By: JASON FIERO 617-462-8090

Telephone: 978 970 5600
Project #: 115058/1330/4
Client PO#: 57137

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #:
Email:
Format: ☑ PDF ☑ EXCEL ☑ GIS
○ OTHER
☑ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs by SOXHLET	# of Containers	** Preservation	***Container Code
01	102EXISB2A-2A 9-11'	9/19/13	12:50	✓		S		✓	1 EA		A
02	102EXISB2A-2A 11-13'		12:55	✓				✓	1 A		A
03	102EXISB2A-2A 13-15'		13:10	✓				✓	A		A
04	102EXISB2A-2A 15-17'		13:15	✓				✓			
05	102EXISB2A-2A 17-19'		13:25	✓				✓			
06	102EXISB2A-2A 19-21'		13:30	✓				✓		H	
07	102EXISB2-B 7-9'		13:45	✓				✓			
08	102EXISB2-B 9-11'		13:50	✓				✓			
09	102EXISB2-B 11-13'		14:00	✓				✓			
10	102EXISB2-B 13-15'	↓	14:05	✓		↓		✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments: H = Hold EXTRACT X HOLD.

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Jason C. Fiero	9/20 14:00
Received by: (signature)	Date/Time:
[signature]	9/20/13
Relinquished by: (signature)	Date/Time:
[signature]	9/20/13 2038
Received by: (signature) 3.9°C	Date/Time:
Rebecca Hurst	9/20/13 2038

Turnaround ††
☐ 7-Day
☐ 10-Day
☑ Other 5
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MCP
MDL<1 ppm
Connecticut:
Other:

Is your project MCP or RCP ?
☑ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

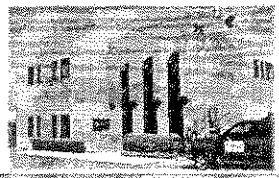
NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: RLF DATE: 9/20/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

2) **Does the chain agree with the samples?** (Yes) No
If not, explain:

3) **Are all the samples in good condition?** (Yes) No
If not, explain:

4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.9°C

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	33
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Log-In Technician Initials: RLF **Date/Time:** 9/20/13 2030

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	13I0795
Project Location:	102 Greenwood St., New Bedford, MA	RTN:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

13I0795-02 thru 13I0795-16

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A ( )	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Manager

Printed Name: Daren J. Damboragian Date: 10/02/13

APPENDIX D

LETTER TO EPA DATED MARCH 5, 2014

Wannalancit Mills
650 Suffolk St., Suite 200
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.trcsolutions.com

March 5, 2014

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
102 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 102 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 this submittal presents results for only 102 Greenwood Street; pre-characterization investigation results from 101 Greenwood Street were previously submitted to you under separate cover on September 16, 2013.

Synopsis of Soil Pre-Characterization Activities

Soil pre-characterization sampling was conducted at 102 Greenwood Street during April 1-2, May 14-16, June 19, 27 and 28, July 19, August 21, September 19 and October 21, 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 63 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.

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.

In addition, based on soil headspace readings detected above background at select boring locations during the investigation at 102 Greenwood Street, five soil samples were analyzed for volatile organic compounds (VOCs) using SW-846 Method 8260. 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. Soil boring logs are included in Attachment B.

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. A Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Data Usability Assessment (DUA) was conducted for the VOC sample analyses. Although there were select quality control (QC) nonconformances, the data are valid as reported and may be used for decision-making purposes. The PCB data validation reports and MCP DUA are included on disc in Attachment C (and in a zip-file for e-mail transmission).

Soil Pre-characterization Results

A total of 219 soil samples were collected and analyzed for PCBs during the pre-characterization investigation at the Site, with five soil samples also analyzed for VOCs. Total PCB concentrations greater than 50 mg/kg were detected in a total of 64 samples across 29 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). Trichloroethylene (TCE) was detected above MCP criteria in the five soil samples analyzed for VOCs; however, no other VOCs were detected above regulatory standards.

Pre-characterization investigation PCB analytical results are provided in Table 1; VOC analytical results are provided in Table 2. 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 (where samples were collected for PCB analysis) are shown on Figure 1.

Synopsis of Groundwater Assessment Activities

Three new groundwater monitoring wells (MW-43, MW-44, and MW-45) were installed at 102 Greenwood Street 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 monitoring well locations are identified on Figure 1. The well construction information and depth to water (as measured on September 27, 2013) are summarized below. Well construction logs are provided in Attachment B.

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.

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 as Attachment E.

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.

Groundwater Assessment Results

The laboratory analytical results for the groundwater samples collected from monitoring wells MW-43, MW-44, and MW-45 on September 27, 2013 are provided in Table 3. Prior sampling results from groundwater monitoring well MW-36 (installed at 102 Greenwood Street in December 2010 and sampled in January 2011) are also included. Monitoring well locations are depicted on Figure 1.

The September 27, 2013 groundwater sampling results indicate PCBs were not detected above the laboratory reporting limits in the samples from the three new wells. Additionally, TRC's Senior QA Chemist reviewed the chromatograms associated with the PCB analyses to assess whether PCB concentrations below the reporting limits were present in the groundwater samples; the chromatograms showed no indications of PCBs.

Concentrations of VOCs (TCE), SVOCs (phenanthrene) and/or metals (antimony, barium, chromium, lead, nickel and/or zinc) were detected at low levels in the groundwater samples.

Revised Remedial Plan

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.

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.

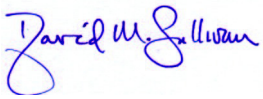
The lateral limits of the proposed excavation on the 102 Greenwood Street parcel are delimited where sidewall pre-characterization confirmatory sampling results are less than

50 mg/kg, as shown on Figure 1. The excavation will also extend to the depth of pre-characterization confirmatory results less than 50 mg/kg, generally to a depth of 7 feet below grade in the northern portion of the excavation, and to a range of 9 feet to 19 feet below grade in the southern portion of the excavation based on the pre-characterization data from that area. The proposed excavation depths are identified on Figure 1.

Please contact the City as soon as possible with your concurrence. The City anticipates conducting the soil removal activities at the Site during the 2014 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 PCB Soil Analytical Results
Table 2 – Summary of Pre-characterization Investigation VOC Soil Analytical Results
Table 3 – Summary of Pre-characterization Investigation Groundwater 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)
Attachment E – Groundwater Sampling Forms

Tables

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB1				102EX1SB1-A	102EX1SB1-A-1	102EX1SB1-A-2				102EX1SB1-B				
	Sample Depth (ft.):	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 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
	Analyte															
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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB1-B-1							102EX1SB1B-1A					102EX1SB1B-1A1C	
	Sample Depth (ft.):	5-7	7-9	9-11	11-13	11-13	13-15	15-17	5-7	7-9	9-11	11-13	13-15	9-11	9-11
	Sample Date:	5/14/2013	5/14/2013	5/14/2013	6/19/2013	6/19/2013 Field Dup	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	7/19/2013	7/19/2013	7/19/2013 Field Dup
	Analyte														
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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB1B-1A1				102EX1SB1B-1A2				102EX1SB1B-1A2A	102EX1SB1B-1B						102EX1SB1B-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
	Analyte																
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**	**1,200**	**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**	**1,200**	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2							102EX1SB2-A							
	Sample Depth (ft.):	1-3	3-5	5-7	7-9	10-12	12-15	12-15	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19
	Sample Date:	4/1/2013	4/1/2013	4/1/2013	4/1/2013	8/21/2013	8/21/2013	8/21/2013 Field Dup	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	6/19/2013	6/19/2013	6/19/2013
	Analyte															
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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2A-1						102EX1SB2A-1A					102EX1SB2A-1A1		
	Sample Depth (ft.):	5-7	7-9	9-11	11-13	13-15	15-17	5-7	7-9	9-11	11-13	13-15	5-7	7-9	9-11
	Sample Date:	5/16/2013	5/16/2013	6/28/2013	7/19/2013	7/19/2013	7/19/2013	6/19/2013	6/19/2013	6/19/2013	6/19/2013	8/21/2013	6/19/2013	6/19/2013	6/19/2013
	Analyte														
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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2A-1B						102EX1SB2A-1B1A			102EX1SB2A-1B1B			102EX1SB2A-1B2		
	Sample Depth (ft.):	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 Date:	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	6/19/2013
	Analyte															
PCBs																
(mg/kg)	Aroclor-1016	220 U	28 U	22 U	0.42 UJ	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 UJ	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 UJ	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 UJ	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 UJ	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 J**	**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 UJ	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 UJ	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 UJ	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 J**	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2A-1B2A		102EX1SB2A-1C							102EX1SB2A-1C1					
	Sample Depth (ft.):	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
	Sample Date:	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
	Analyte															
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 UJ	4.2 U	0.42 U
	Aroclor-1254	**470**	**16**	**15,000**	**480**	**430**	**180**	**9,700**	**910**	**7.5**	**8,300**	**490**	**12**	**23 J**	**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 UJ	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 UJ	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 UJ	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**	**23 J**	**28 J**	**0.81**

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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2A-1C1A							102EX1SB2A-2							
	Sample Depth (ft.):	5-7	7-9	5-7	7-9	13-15	15-17	17-19	3-5	5-7	7-9	9-11	11-13	13-15	17-18	18-20
	Sample Date:	7/19/2013	7/19/2013	10/21/2013	10/21/2013	10/21/2013	10/21/2013	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
	Analyte															
PCBs																
(mg/kg)	Aroclor-1016	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	2.6 U	0.13 U	0.86 U	**4.5 J**	0.45 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	**16**	0.13 U	**5.6**	**9.4 J**	**0.87**	**550**	**360**	**0.39**	0.10 U	**16**	**49**	**800**	**8.2**
	Aroclor-1260	5.1 U	0.18 U	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	2.6 U	0.13 U	0.86 U	1.9 U	0.45 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	**16**	0.13 U	**5.6**	**13.9 J**	**0.87**	**550**	**360**	**0.39**	0.10 U	**16**	**49**	**800**	**8.2**

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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2A-2A									
	Sample Depth (ft.):	3-5	5-7	7-9	9-11	11-13	11-13	13-15	15-17	17-19	19-21
	Sample Date:	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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2A-2A1										102EX1-SB2A-2A-1A		
	Sample Depth (ft.):	1-3	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	19-21	13-15	15-17	17-19
	Sample Date:	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013	10/21/2013	10/21/2013	10/21/2013
	Analyte													
PCBs														
(mg/kg)	Aroclor-1016	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1221	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1232	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1242	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1248	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1254	**1.7**	0.096 U	**4.0**	**2.1**	**0.57**	0.11 U	**0.67**	**230**	**4.5**	0.11 U	**0.18**	0.11 U	0.11 U
	Aroclor-1260	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1262	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Aroclor-1268	0.50 U	0.096 U	1.0 U	0.18 U	0.10 U	0.11 U	0.10 U	21 U	1.1 U	0.11 U	0.11 U	0.11 U	0.11 U
	Total PCBs	**1.7**	0.096 U	**4.0**	**2.1**	**0.57**	0.11 U	**0.67**	**230**	**4.5**	0.11 U	**0.18**	0.11 U	0.11 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2-B								
	Sample Depth (ft.):	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	17-19
	Sample Date:	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 Field Dup
	Analyte									
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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB2-B-1										102EX1SB2B-1A						
	Sample Depth (ft.):	3-5	5-7	7-9	9-11	11-13	13-15	15-17	17-19	17-19	19-21	3-5	3-5	13-15	13-15	15-17	15-17	17-19
	Sample Date:	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 Field Dup	9/19/2013	6/19/2013	10/21/2013	10/21/2013	10/21/2013 Field Dup	10/21/2013	10/21/2013 Field Dup	10/21/2013
	Analyte																	
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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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**	**2.4**	**0.24 J**	**0.23**	0.11 U	**0.12**	0.11 U
	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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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	0.43 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 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**	**2.4**	**0.24 J**	**0.23**	0.11 U	**0.12**	0.11 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB3				102EX1SB3-B		102EX1SB4			102EX1SB4-A		102EX1SB4-A-1		102EX1SB4 A-1A	102EX1SB4-B	102EX1SB4-B-1
	Sample Depth (ft.):	1-3	3-5	5-7	7-9	1-3	5-7	1-3	3-5	5-7	3-5	5-7	3-5	5-7	3-5	3-5	3-5
	Sample Date:	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	5/16/2013	5/16/2013	6/19/2013	5/14/2013	5/16/2013
	Analyte																
PCBs																	
(mg/kg)	Aroclor-1016	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1221	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1232	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1242	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1248	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1254	**1.9**	**21**	**5,100**	**5.9**	**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**
	Aroclor-1260	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1262	0.23 U	2.6 U	620 U	0.88 U	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
	Aroclor-1268	0.23 U	2.6 U	620 U	0.88 U	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
	Total PCBs	**1.9**	**21**	**5,100**	**5.9**	**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**

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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX2SB1			102EX2SB2		102EX2SB3			102EX2SB3-A		102EX2SB4			102EX2SB4-A		102EX1SB4 A-1B	102EX2SB5
	Sample Depth (ft.):	1-3	5-7	5-7	1-3	5-7	1-3	5-7	7-9	1-3	5-7	1-3	5-7	7-9	1-3	5-7	3-5	7-9
	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	4/1/2013	4/1/2013	4/1/2013	5/14/2013	5/14/2013	6/19/2013	4/1/2013
	Analyte			Field Dup														
PCBs																		
(mg/kg)	Aroclor-1016	0.11 U	2.3 U	4.8 U	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	0.11 U	2.3 U	4.8 U	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	0.11 U	2.3 U	4.8 U	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	0.11 U	2.3 U	4.8 U	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	0.11 U	2.3 U	4.8 U	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	**0.53**	**15 J**	**36 J**	**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	0.11 U	2.3 U	4.8 U	**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	0.11 U	2.3 U	4.8 U	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	0.11 U	2.3 U	4.8 U	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	**0.53**	**15 J**	**36 J**	**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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX2SB6			102EX2SB7		102EX2SB8			102EX2SB8-A		102EX2SB8-A1	102EX2SB8-A2	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	5-7	5-7	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	6/27/2013	6/27/2013	4/1/2013	4/1/2013	4/1/2013
	Analyte															
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 J**	**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 J**	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 J**	**3.0**	**0.94 J**	0.14 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 1
Summary of Pre-characterization Investigation Soil Polychlorinated Biphenyls (PCBs) Results -- April through October 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX2SB11			102EX2SB12		102EX2SB13			102EX2SB13-A	102EX2SB14		SB-102-6
	Sample Depth (ft.):	1-3	5-7	5-7	1-3	5-7	1-3	5-7	7-9	5-7	1-3	5-7	4
	Sample Date:	4/1/2013	4/1/2013	4/1/2013 Field Dup	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
	Analyte												
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 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.

PCBs - Polychlorinated Biphenyls.

TSCA - Toxic Substances Control Act criteria.

Table 2
Summary of Pre-characterization Investigation Soil Volatile Organic Compounds (VOCs) Results -- August 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB1 B-1B	102EX1SB2A-1C1		102EX1SB2A-2		102EX1SB2 A-2A
	Sample Depth (ft.):	5-7	5-7	7-9	4-6	4-6	3-5
	Sample Date:	8/21/2013	8/21/2013	8/21/2013	8/21/2013	8/21/2013 Field Dup	8/21/2013
	Analyte						
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 2
Summary of Pre-characterization Investigation Soil Volatile Organic Compounds (VOCs) Results -- August 2013
102 Greenwood Street
New Bedford, Massachusetts

Analysis	Sample ID:	102EX1SB1 B-1B	102EX1SB2A-1C1		102EX1SB2A-2		102EX1SB2 A-2A
	Sample Depth (ft.):	5-7	5-7	7-9	4-6	4-6	3-5
	Sample Date:	8/21/2013	8/21/2013	8/21/2013	8/21/2013	8/21/2013 Field Dup	8/21/2013
	Analyte						
	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).

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.

Table 3
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
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

Table 3
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
	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		**28**	NA	10 U	**11**	**15**	**46**
Metals, dissolved								
(ug/L)	Antimony		1.0 U	NA	1.0 U	1.0 U	**1.2**	1.0 U
	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.

Figure

102 GREENWOOD STREET

LEGEND

- EXISTING PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING CHAIN LINK FENCE
- AREA ORIGINALLY PROPOSED FOR EXCAVATION TO 7-FOOT DEPTH (CONTAINS PCBs > 50 MG/KG) / VERIFICATION SAMPLE GRID PER 40 CFR 761.283 (1.5 METERS x 1.5 METERS)
- 102 EX1 / 102 EX2 — GROUP I.D.s FOR AREAS ORIGINALLY PROPOSED FOR EXCAVATION (PREFIXES USED IN 2013 SOIL SAMPLE I.D.s)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 5-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 7-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 9-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 11-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 15-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 17-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- ADDITIONAL PROPOSED EXCAVATION AREA TO 19-FOOT DEPTH, FOLLOWING 2013 FIELD DATA COLLECTION (CONTAINS PCBs > 50 MG/KG)
- MW-43 — GROUND WATER MONITORING WELL
- K1_3 — PREVIOUS SITE CHARACTERIZATION BORING (PCB CONCENTRATION < 50 MG/KG)
- 102EX1SB1-A — TSCA PRECHARACTERIZATION DELINEATION BORING (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG AT ONE OR MORE SAMPLE DEPTH INTERVALS)
- SB-102-8D/MW-36 — PREVIOUS SITE CHARACTERIZATION BORING COMPLETED AS GROUNDWATER MONITORING WELL (2010)
- TP-102B — PREVIOUSLY EXCAVATED TEST PIT (SAMPLES COLLECTED FOR TOTAL PCB ANALYSIS)

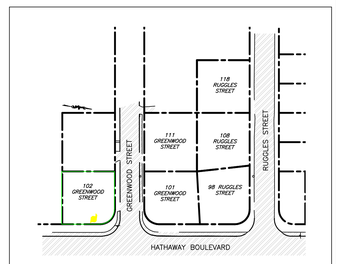
SOIL SAMPLE DEPTH INTERVAL IN FEET BELOW GROUND SURFACE — LISTS TOTAL PCB CONCENTRATION IN MG/KG IDENTIFIED IN SOIL AT THAT DEPTH INTERVAL. (GRAY SHADING INDICATES LABORATORY REPORTING LIMIT; PCBs NOT DETECTED). WHERE DUPLICATE SAMPLES ARE ANALYZED, THE HIGHER CONCENTRATION IS CITED ON THIS FIGURE.

1–3	10
3–5	10
5–7	(100)
7–9	0.33

TSCA PRECHARACTERIZATION DELINEATION SAMPLE DEPTH INTERVALS AND TOTAL PCB CONCENTRATIONS (RED SHADING INDICATES TOTAL PCB CONCENTRATION EXCEEDS 50 MG/KG WITHIN THAT INTERVAL)

NOTES

1. ONLY SOIL BORING LOCATIONS WHERE PCB DATA WAS COLLECTED ARE SHOWN ON THIS FIGURE.
2. TOTAL PCB DATA FOR TEST PIT TP102B REPRESENTS ANALYTICAL RESULTS FROM A COMPOSITE SAMPLE COLLECTED FROM SOIL EXCAVATED WITHIN THE TEST PIT AREA AT THAT DEPTH. THIS DATA DOES NOT REPRESENT ANALYSIS OF A SINGLE LOCATION OR TEST PIT SIDEWALL.



LOCUS PLAN – 102 GREENWOOD STREET

LOCUS SCALE: 1"=100'

0' 50' 100' 200' 300'

PLAN VIEW SCALE: 1"=3'

0' 1.5' 3' 6' 9'

102 GREENWOOD STREET (ACQ. RESIDENTIAL PROPERTIES) NEW BEDFORD, MA	
PRE-CHARACTERIZATION INVESTIGATION PLAN	
TRC — Wannalancit Mills, 650 Suffolk Street, Lowell, MA 01854, (978) 970-5600	FIGURE 1
DRAWN BY: DMP	DATE: DEC. 2013
CHECKED BY: DNP	

FILE: J:\Projects\115058 - New Bedford\ARP - RAM Plan 2013_60 Percent Design\CAD\C-10 - Site Investigation Plan_10.dwg

Attachment A – Relevant Excerpts from December 2012 RAM Plan

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)	▪ 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)	▪ 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)	▪ 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.

<u>102 Greenwood Street</u>

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.

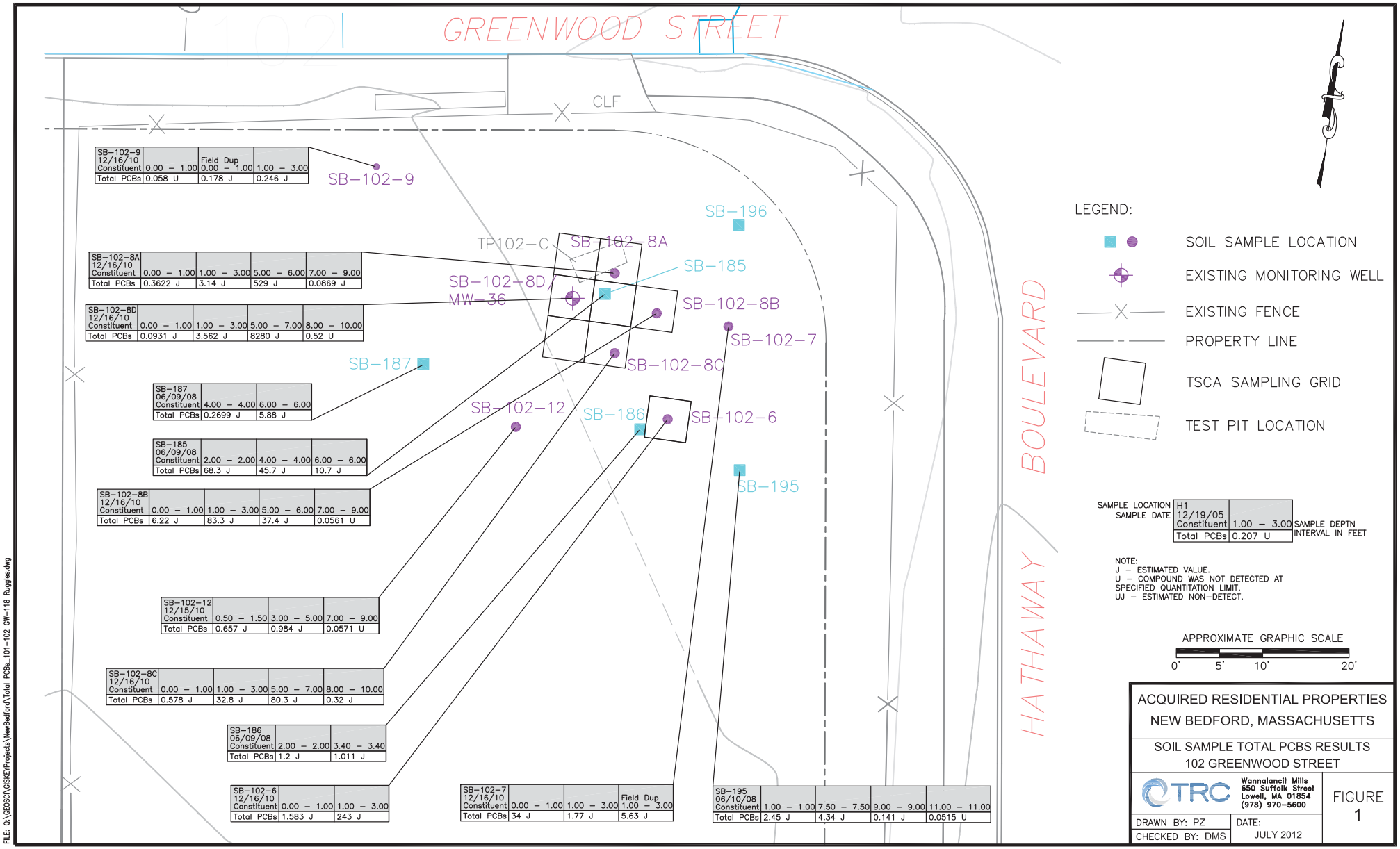
We look forward to discussing this letter at your earliest convenience. If you have any questions, please call me at 978-656-3565.

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)



SB-102-9 12/16/10		Field Dup	
Constituent	0.00 – 1.00	0.00 – 1.00	1.00 – 3.00
Total PCBs	0.058 U	0.178 J	0.246 J

SB-102-8A 12/16/10				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 6.00	7.00 – 9.00
Total PCBs	0.3622 J	3.14 J	529 J	0.0869 J

SB-102-8D 12/16/10				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 7.00	8.00 – 10.00
Total PCBs	0.0931 J	3.562 J	8280 J	0.52 U

SB-187 06/09/08		
Constituent	4.00 – 4.00	6.00 – 6.00
Total PCBs	0.2699 J	5.88 J

SB-185 06/09/08			
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				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 6.00	7.00 – 9.00
Total PCBs	6.22 J	83.3 J	37.4 J	0.0561 U

SB-102-12 12/15/10			
Constituent	0.50 – 1.50	3.00 – 5.00	7.00 – 9.00
Total PCBs	0.657 J	0.984 J	0.0571 U

SB-102-8C 12/16/10				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 7.00	8.00 – 10.00
Total PCBs	0.578 J	32.8 J	80.3 J	0.32 J

SB-186 06/09/08		
Constituent	2.00 – 2.00	3.40 – 3.40
Total PCBs	1.2 J	1.011 J

SB-102-6 12/16/10		
Constituent	0.00 – 1.00	1.00 – 3.00
Total PCBs	1.583 J	243 J

SB-102-7 12/16/10			
Constituent	0.00 – 1.00	1.00 – 3.00	Field Dup 1.00 – 3.00
Total PCBs	34 J	1.77 J	5.63 J

SB-195 06/10/08				
Constituent	1.00 – 1.00	7.50 – 7.50	9.00 – 9.00	11.00 – 11.00
Total PCBs	2.45 J	4.34 J	0.141 J	0.0515 U

SAMPLE LOCATION	H1	
SAMPLE DATE	12/19/05	
Constituent	1.00 – 3.00	SAMPLE DEPTN INTERVAL IN FEET
Total PCBs	0.207 U	

ACQUIRED RESIDENTIAL PROPERTIES
NEW BEDFORD, MASSACHUSETTS

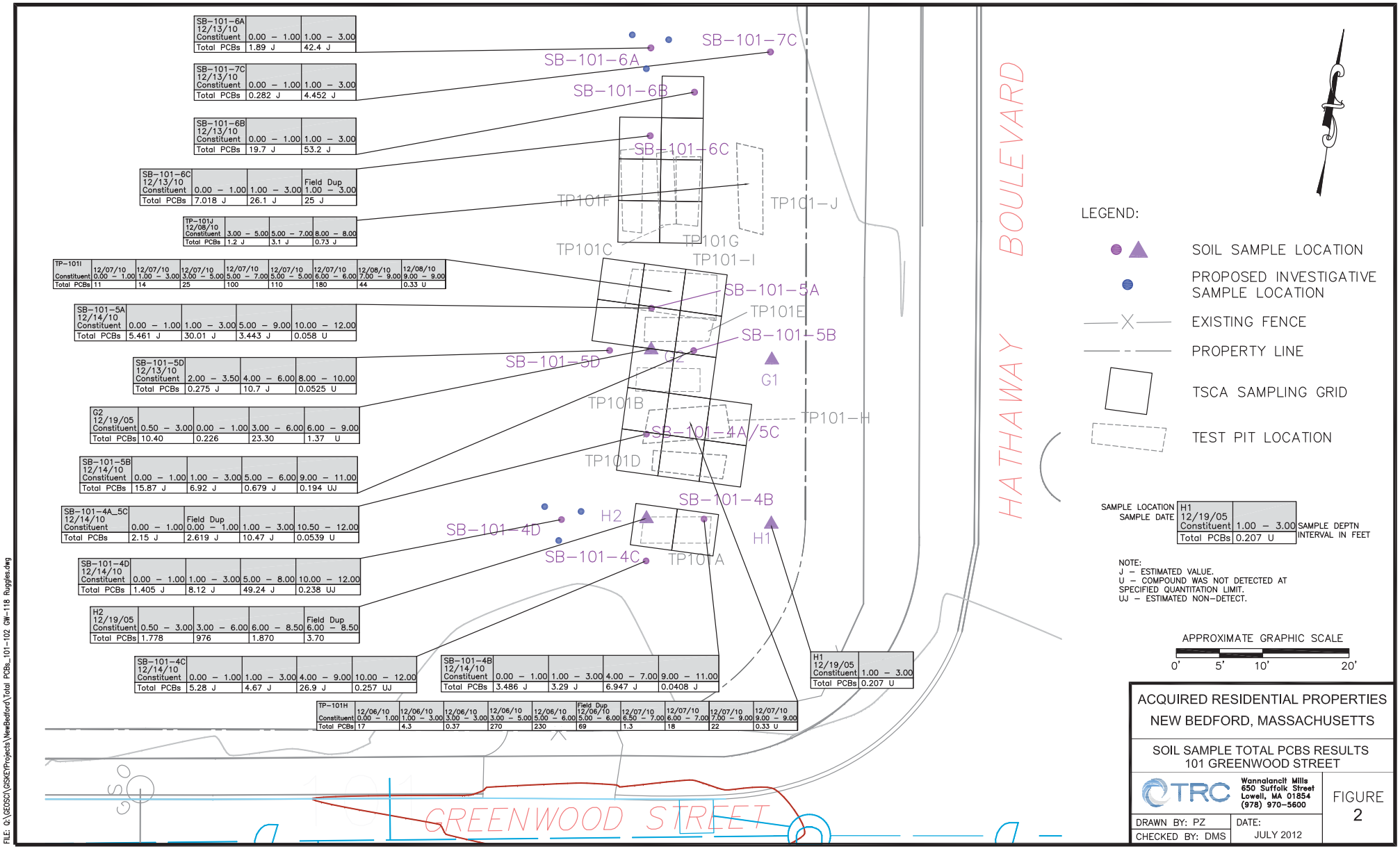
SOIL SAMPLE TOTAL PCBS RESULTS
102 GREENWOOD STREET

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

FIGURE 1

DRAWN BY: PZ
CHECKED BY: DMS
DATE: JULY 2012

FILE: Q:\GEOSC\GISKEY\Projects\NewBedford\Total PCBs_101-102 GW-118 Ruggles.dwg



ACQUIRED RESIDENTIAL PROPERTIES
NEW BEDFORD, MASSACHUSETTS

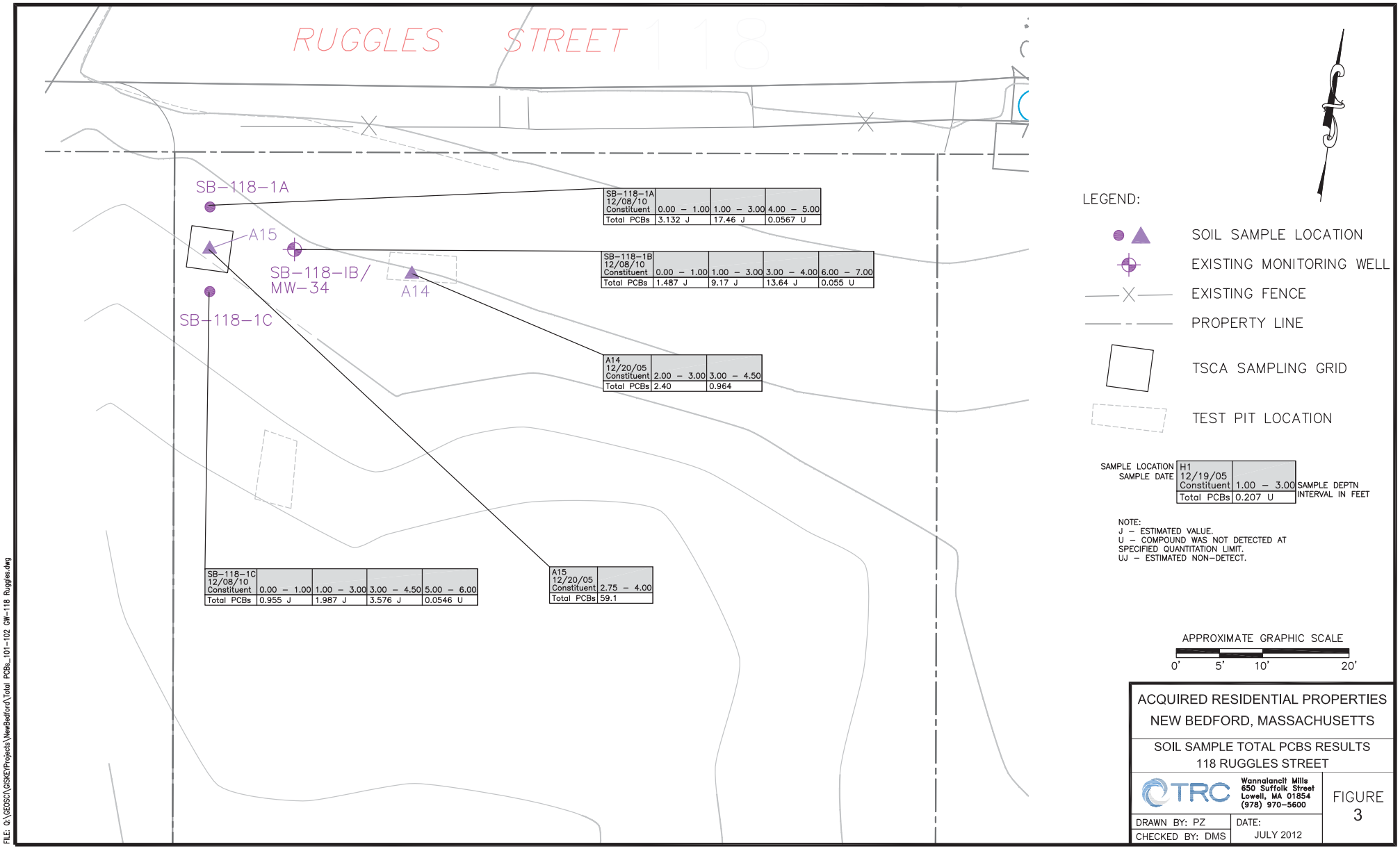
SOIL SAMPLE TOTAL PCBS RESULTS
101 GREENWOOD STREET

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

FIGURE 2

DRAWN BY: PZ | DATE: JULY 2012
CHECKED BY: DMS

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Total PCBs_101-102 GW-118 Ruggles.dwg



ACQUIRED RESIDENTIAL PROPERTIES
NEW BEDFORD, MASSACHUSETTS

SOIL SAMPLE TOTAL PCBS RESULTS
118 RUGGLES STREET

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

FIGURE 3

DRAWN BY: PZ
CHECKED BY: DMS
DATE: JULY 2012

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Total PCBs_101-102 GW-118 Ruggles.dwg

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)

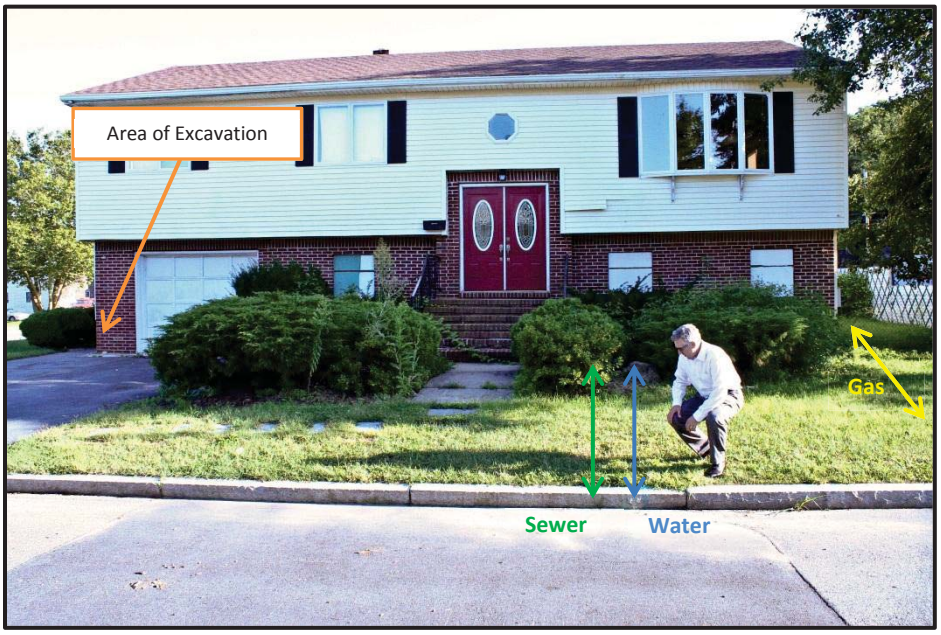


Photo 3 – Subsurface utility locations (102 Greenwood Street)

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

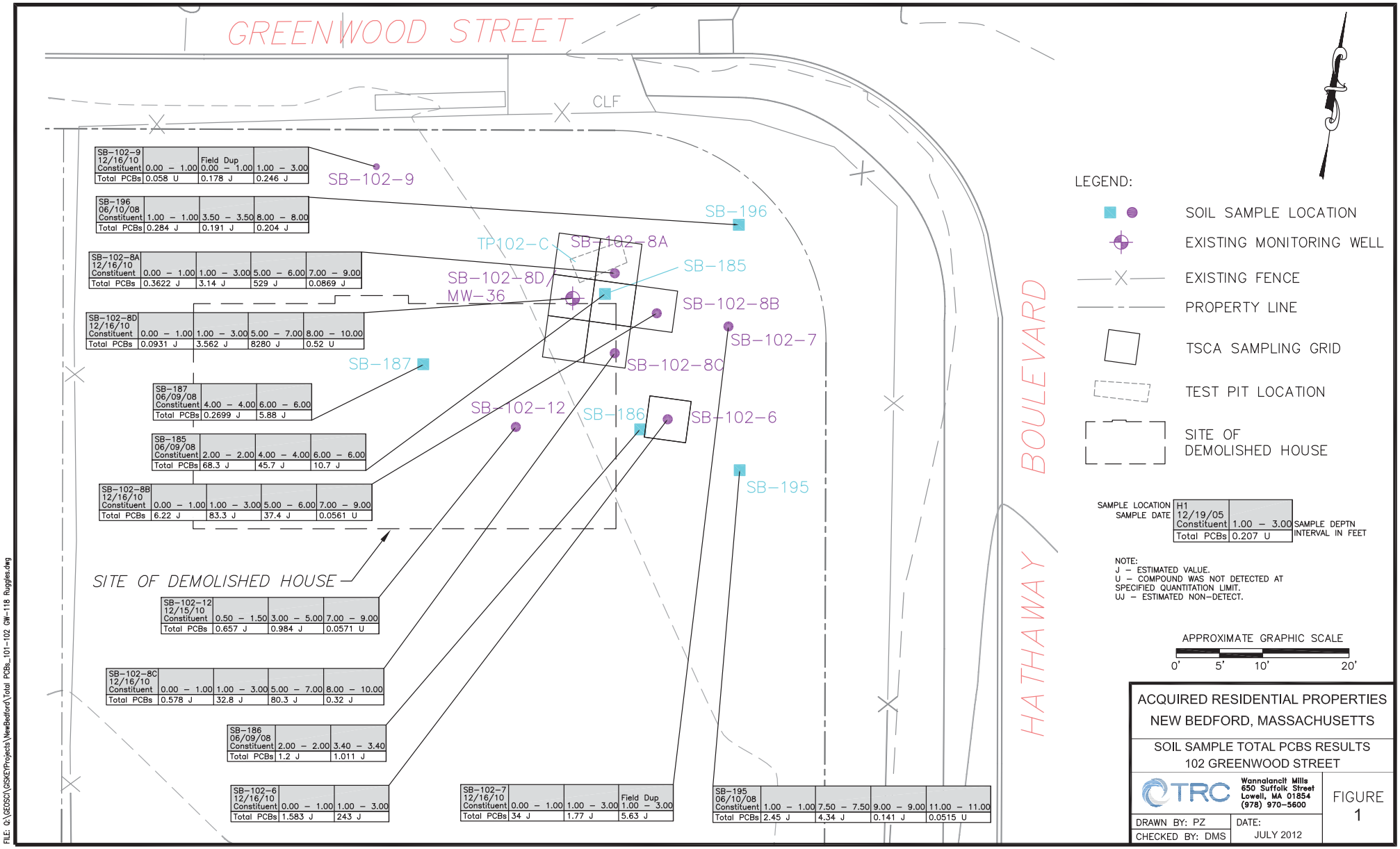
Notes:

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.



SB-102-9 12/16/10		Field Dup	
Constituent	0.00 – 1.00	0.00 – 1.00	1.00 – 3.00
Total PCBs	0.058 U	0.178 J	0.246 J

SB-196 06/10/08			
Constituent	1.00 – 1.00	3.50 – 3.50	8.00 – 8.00
Total PCBs	0.284 J	0.191 J	0.204 J

SB-102-8A 12/16/10				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 6.00	7.00 – 9.00
Total PCBs	0.3622 J	3.14 J	529 J	0.0869 J

SB-102-8D 12/16/10				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 7.00	8.00 – 10.00
Total PCBs	0.0931 J	3.562 J	8280 J	0.52 U

SB-187 06/09/08		
Constituent	4.00 – 4.00	6.00 – 6.00
Total PCBs	0.2699 J	5.88 J

SB-185 06/09/08			
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				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 6.00	7.00 – 9.00
Total PCBs	6.22 J	83.3 J	37.4 J	0.0561 U

SB-102-12 12/15/10			
Constituent	0.50 – 1.50	3.00 – 5.00	7.00 – 9.00
Total PCBs	0.657 J	0.984 J	0.0571 U

SB-102-8C 12/16/10				
Constituent	0.00 – 1.00	1.00 – 3.00	5.00 – 7.00	8.00 – 10.00
Total PCBs	0.578 J	32.8 J	80.3 J	0.32 J

SB-186 06/09/08		
Constituent	2.00 – 2.00	3.40 – 3.40
Total PCBs	1.2 J	1.011 J

SB-102-6 12/16/10		
Constituent	0.00 – 1.00	1.00 – 3.00
Total PCBs	1.583 J	243 J

SB-102-7 12/16/10			
Constituent	0.00 – 1.00	1.00 – 3.00	Field Dup 1.00 – 3.00
Total PCBs	34 J	1.77 J	5.63 J

SB-195 06/10/08				
Constituent	1.00 – 1.00	7.50 – 7.50	9.00 – 9.00	11.00 – 11.00
Total PCBs	2.45 J	4.34 J	0.141 J	0.0515 U

SAMPLE LOCATION	H1	
SAMPLE DATE	12/19/05	
Constituent	1.00 – 3.00	SAMPLE DEPTN INTERVAL IN FEET
Total PCBs	0.207 U	

ACQUIRED RESIDENTIAL PROPERTIES
NEW BEDFORD, MASSACHUSETTS

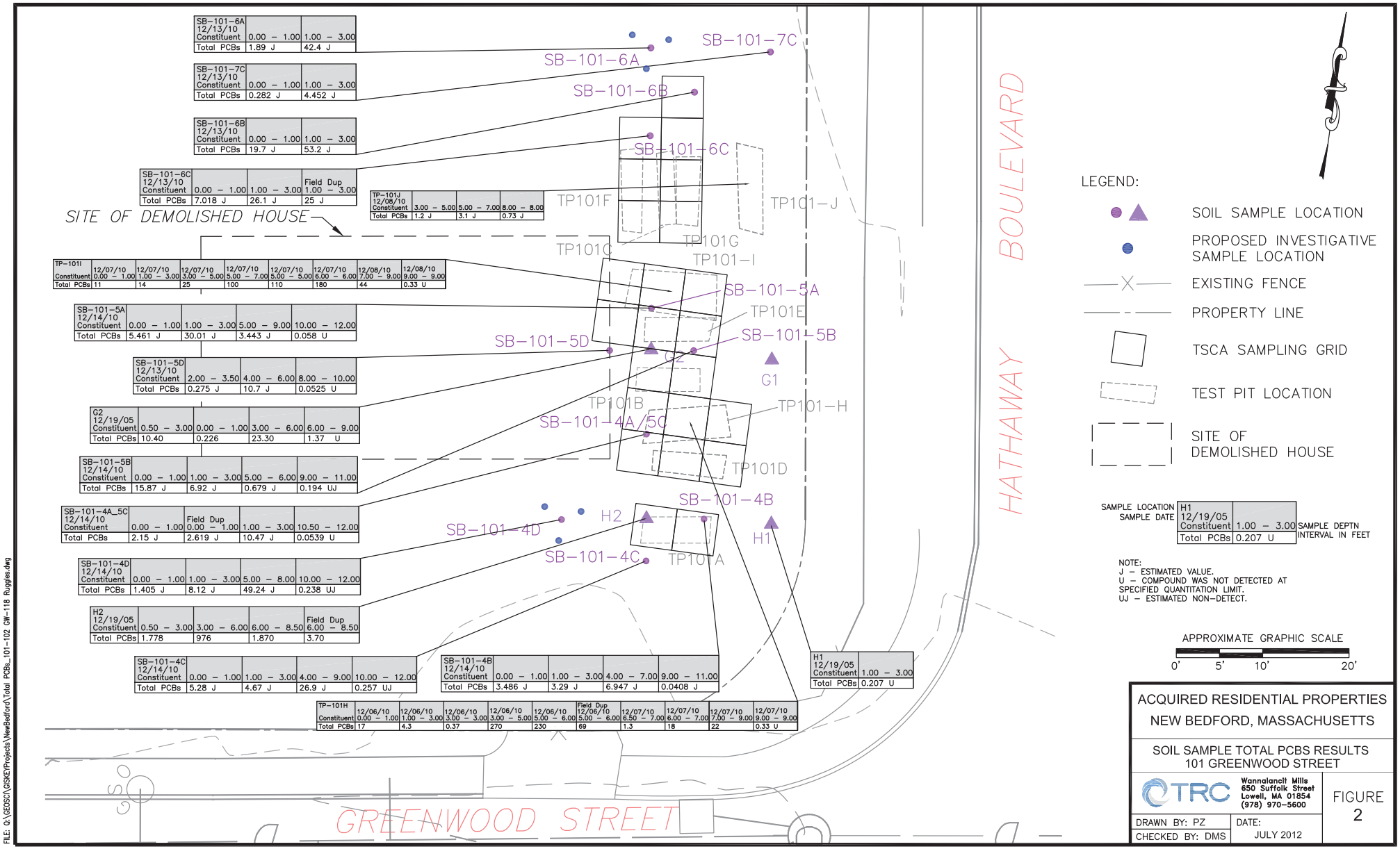
SOIL SAMPLE TOTAL PCBS RESULTS
102 GREENWOOD STREET

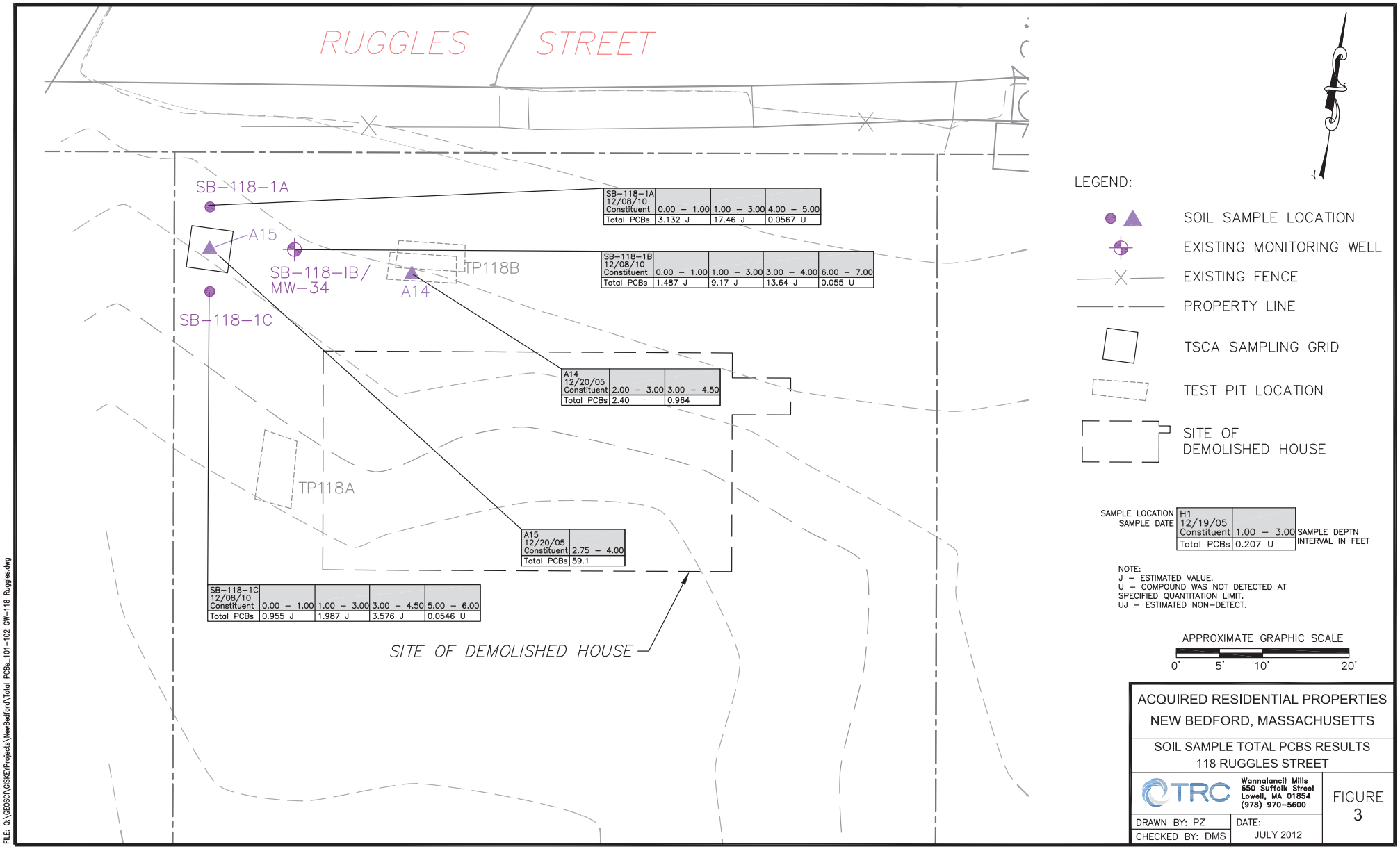
TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

FIGURE 1

DRAWN BY: PZ
CHECKED BY: DMS
DATE: JULY 2012

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Total PCBs_101-102 GW-118 Ruggles.dwg


SB-101-6A
12/13/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00
Total PCBs | 1.89 J | 42.4 J
SB-101-7C
12/13/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00
Total PCBs | 0.282 J | 4.452 J
SB-101-6B
12/13/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00
Total PCBs | 19.7 J | 53.2 J
SB-101-6C
12/13/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00 | Field Dup 1.00 – 3.00
Total PCBs | 7.018 J | 26.1 J | 25 J
TP-101J
12/08/10
Constituent | 3.00 – 5.00 | 5.00 – 7.00 | 8.00 – 8.00
Total PCBs | 1.2 J | 3.1 J | 0.73 J
SITE OF DEMOLISHED HOUSE
TP-101I
Constituent | 12/07/10 0.00 – 1.00 | 12/07/10 1.00 – 3.00 | 12/07/10 3.00 – 5.00 | 12/07/10 5.00 – 7.00 | 12/07/10 5.00 – 5.00 | 12/07/10 6.00 – 6.00 | 12/08/10 7.00 – 9.00 | 12/08/10 9.00 – 9.00
Total PCBs | 11 | 14 | 25 | 100 | 110 | 180 | 44 | 0.33 U
SB-101-5A
12/14/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00 | 5.00 – 9.00 | 10.00 – 12.00
Total PCBs | 5.461 J | 30.01 J | 3.443 J | 0.058 U
SB-101-5D
12/13/10
Constituent | 2.00 – 3.50 | 4.00 – 6.00 | 8.00 – 10.00
Total PCBs | 0.275 J | 10.7 J | 0.0525 U
G2
12/19/05
Constituent | 0.50 – 3.00 | 0.00 – 1.00 | 3.00 – 6.00 | 6.00 – 9.00
Total PCBs | 10.40 | 0.226 | 23.30 | 1.37 U
SB-101-5B
12/14/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00 | 5.00 – 6.00 | 9.00 – 11.00
Total PCBs | 15.87 J | 6.92 J | 0.679 J | 0.194 UJ
SB-101-4A_5C
12/14/10
Constituent | 0.00 – 1.00 | Field Dup 0.00 – 1.00 | 1.00 – 3.00 | 10.50 – 12.00
Total PCBs | 2.15 J | 2.619 J | 10.47 J | 0.0539 U
SB-101-4D
12/14/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00 | 5.00 – 8.00 | 10.00 – 12.00
Total PCBs | 1.405 J | 8.12 J | 49.24 J | 0.238 UJ
H2
12/19/05
Constituent | 0.50 – 3.00 | 3.00 – 6.00 | 6.00 – 8.50 | Field Dup 6.00 – 8.50
Total PCBs | 1.778 | 976 | 1.870 | 3.70
SB-101-4C
12/14/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00 | 4.00 – 9.00 | 10.00 – 12.00
Total PCBs | 5.28 J | 4.67 J | 26.9 J | 0.257 UJ
SB-101-4B
12/14/10
Constituent | 0.00 – 1.00 | 1.00 – 3.00 | 4.00 – 7.00 | 9.00 – 11.00
Total PCBs | 3.486 J | 3.29 J | 6.947 J | 0.0408 J
H1
12/19/05
Constituent | 1.00 – 3.00
Total PCBs | 0.207 U
TP-101H
Constituent | 12/06/10 0.00 – 1.00 | 12/06/10 1.00 – 3.00 | 12/06/10 3.00 – 3.00 | 12/06/10 3.00 – 5.00 | 12/06/10 5.00 – 6.00 | Field Dup 12/06/10 5.00 – 6.00 | 12/07/10 6.50 – 7.00 | 12/07/10 6.00 – 7.00 | 12/07/10 7.00 – 9.00 | 12/07/10 9.00 – 9.00
Total PCBs | 17 | 4.3 | 0.37 | 270 | 230 | 69 | 1.3 | 18 | 22 | 0.33 U
SB-101-7C
SB-101-6A
SB-101-6B
SB-101-6C
TP101F
TP101-J
TP101G
TP101C
TP101-I
SB-101-5A
TP101E
SB-101-5D
SB-101-5B
G1
TP101B
TP101-H
SB-101-4A/5C
TP101D
SB-101-4B
H2
SB-101-4D
H1
SB-101-4C
TP101A
HATHAWAY BOULEVARD
GREENWOOD STREET
LEGEND:
SOIL SAMPLE LOCATION
PROPOSED INVESTIGATIVE SAMPLE LOCATION
EXISTING FENCE
PROPERTY LINE
TSCA SAMPLING GRID
TEST PIT LOCATION
SITE OF DEMOLISHED HOUSE
SAMPLE LOCATION
SAMPLE DATE
H1
12/19/05
Constituent | 1.00 – 3.00
Total PCBs | 0.207 U
SAMPLE DEPTH INTERVAL IN FEET
NOTE:
J – ESTIMATED VALUE.
U – COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
UJ – ESTIMATED NON-DETECT.
APPROXIMATE GRAPHIC SCALE
0' 5' 10' 20'
ACQUIRED RESIDENTIAL PROPERTIES
NEW BEDFORD, MASSACHUSETTS
SOIL SAMPLE TOTAL PCBS RESULTS
101 GREENWOOD STREET
TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600
FIGURE 2
DRAWN BY: PZ
DATE: JULY 2012
CHECKED BY: DMS
FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Total PCBs_101-102 GW-118 Ruggles.dwg



ACQUIRED RESIDENTIAL PROPERTIES
NEW BEDFORD, MASSACHUSETTS

SOIL SAMPLE TOTAL PCBS RESULTS
118 RUGGLES STREET

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

FIGURE 3

DRAWN BY: PZ
CHECKED BY: DMS
DATE: JULY 2012

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Total PCBs_101-102 GW-118 Ruggles.dwg

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
- QX — 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.

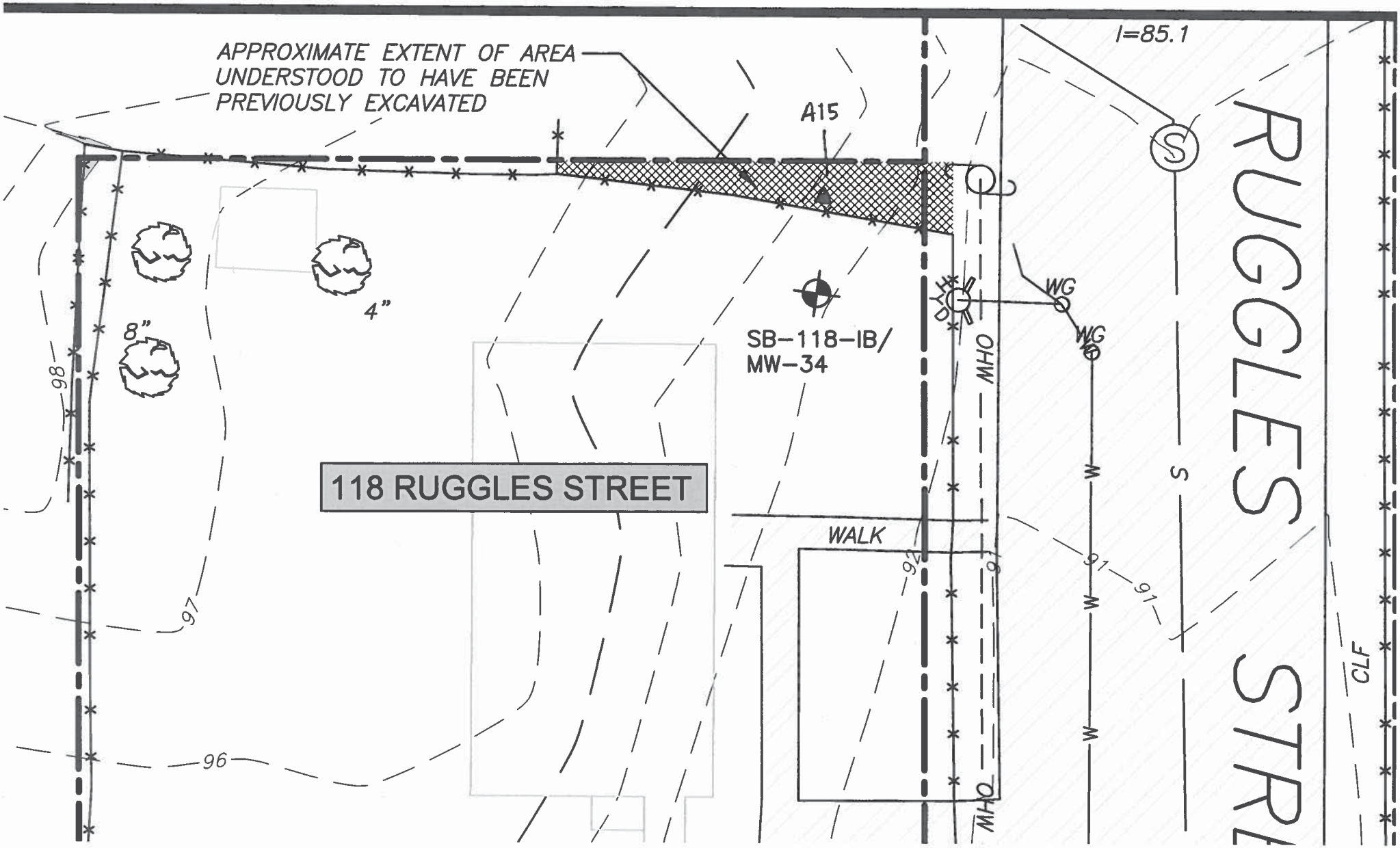
ppm: parts per million
As: Arsenic
Cd: Cadmium
Cr: Chromium
Pb: Lead
PCB: Polychlorinated Biphenyls

N

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


APPROXIMATE EXTENT OF AREA
UNDERSTOOD TO HAVE BEEN
PREVIOUSLY EXCAVATED
A15
I=85.1
RUGGLES STRE
4"
8"
SB-118-IB/
MW-34
118 RUGGLES STREET
WG
WG
MHO
MHO
WALK
CLF
98
97
96
94
91
91
91

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100, BOSTON, MASSACHUSETTS 02109-3912

Certified Mail – Return Receipt Requested

DEC 1 0 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 (≥) 50 parts per million (ppm). In its March 29, 2011 letter pertaining to these properties, EPA determined that PCB-contaminated soil with ≥ 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,

Mary Sanderson, Chief
Remediation & Restoration II Branch
Office of Site Remediation & Restoration

cc: D. Sullivan, TRC
M. Cote, MassDEP
File

Attachment B – Soil Boring Logs

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

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER 102EX1SB1
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' W of 102EX1SB2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 11
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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		12" Brown fine to medium SAND and GRAVEL, some fill (glass, concrete, scrap metal, wood).	0.0		
1								
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.			No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX1SB2
TRC GEOLOGIST J. Fiero, J. Robinson
DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas
DATE DRILLED 4/1/13 &8/21/13
LOCATION Approximately 5' E of 102EX1SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 Box Truck
NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9'), (10-12'), (12-15').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 11.3
TOTAL DEPTH (Feet) 20
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/18	S-1		7" Brown TOPSOIL (sand and silt, with organics, trace ash, brick, glass, gravel).	7.9		
1					7" Tan fine SAND with ash, trace wood.		102EX1SB2 (1-3') 0855	
2					8" Reddish brown FILL (metal, glass, ash, tile, white fibrous material).			
3					3" Black SAND and ASH.		102EX1SB2 (3-5') 0900	
4					3" Reddish brown FILL (white ash, cinder, wood, fire brick).			No Monitoring Well Installed
5		48/28	S-2		12" SAA, with red glass fragments, increasing gravel, glass, coal, ash.	24.6		
6			S-3		18" Dark brown SILT, moist.		102EX1SB2 (5-7') 0905	
7								
8							102EX1SB2 (7-9') 0910	
9					8" Tan fine SAND, trace fine gravel.			
10		72/48	S-3		0-12" Coarse SAND and GRAVEL blow down [FILL].			
11					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	▽
12								
13					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	
14							DUP-1 11:10	
15		60/60	S-4		0-42" SLOUGH.			
16								
17								
18								
19					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		
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
BORING/WELL NUMBER 102EX1SB3
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' N of 102EX1SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (3-5'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 11
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/30	S-1		30" Brown SAND, GRAVEL, and FILL (ash, glass, coal, clinker, brick, tile).	0.0		
1								
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
BORING/WELL NUMBER 102EX1SB4
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX1SB3
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (3-5'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 11
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/32	S-1		12" Brown SAND and SILT with gravel, some glass.			
2					12" Brown/reddish FILL (coal, ash, glass).	0.0	102EX1SB4(1-3') 945	
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).			No Monitoring Well Installed.
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		
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 102EX2SB1
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' W of 102EX2SB2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 9
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/28	S-1		10" Brown fine SAND and SILT, trace gravel, trace fill.	0.0		
1					18" FILL (brick, coal ash, clinker, ash, glass).		102EX2SB1(1-3') 1030	
2						0.0		
3								
4								
5		48/37	S-2		16" SAA.		102EX2SB1 (5-7') 1040 DUP-1 1040	No Monitoring Well Installed.
6								
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
BORING/WELL NUMBER 102EX2SB10
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/34	S-1		2" ASPHALT.			
					16" Light brown SAND and GRAVEL, some fill (glass, clinker).	0.0	102EX2SB10(1-3') 1400	
3					16" FILL (black/red SAND, white ash, glass, clinker, ash, coal).	0.0		
5		60/36	S-2		10" SAA.		102EX2SB10(5-7') 1410	No Monitoring Well Installed.
6					12" PEAT.	0.0		
8					14" Brown fine to medium SAND, some fine to medium 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
BORING/WELL NUMBER 102EX2SB11
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' N of 102EX2SB7
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/28	S-1		6" Brown SAND and SILT, some organics and gravel, increasing fill with depth.	0.0		
1					18" Brown SAND with ash, clinker, coal, gravel, porcelain, scrap metal.			
2							102EX2SB11(1-3') 1420	
3						0.0		
4					4" Tan SAND with white ash, cinder, ash, gravel, clinker.			
5		60/40	S-2		16" FILL (white ash, cinder, ash, gravel, clinker).	0.0		No Monitoring Well Installed.
6							102EX2SB11(5-7') 1430 DUP-4 1430	
7					12" PEAT.			
8						0.0		
9					12" Tan/gray fine SAND, orange mottling.			
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
BORING/WELL NUMBER 102EX2SB12
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' N of 102EX2SB8
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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		
					22" Brown SAND with FILL (gravel, coal, ash, glass, porcelain).		102EX2SB12(1-3') 1500 MS/MSD 1500	
5		60/24	S-2		4" Pulverized GRAVEL.	0.0		No Monitoring Well Installed.
					6" Brown fine to coarse SAND.		102EX2SB12(5-7') 1510	
7					14" Brown tan fine 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
BORING/WELL NUMBER 102EX2SB13
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB12
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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		24" Brown SAND, some gravel and coal.	0.0		
1								
2						0.0	102EX2SB13(1-3') 1530	
3								
4						0.0		
5		60/24	S-2		18" SAA.			No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX2SB14
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/2/2013
LOCATION Approximately 5' E of 102EX2SB13
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/28	S-1		24" Dark brown fine SAND and SILT, some gravel, trace chunks of coal.	0.0		
1								
2							102EX2SB14(1-3') 815	
3						0.0		
4					4" Light brown medium SAND, some fine gravel, trace clinker.			
5		60/38	S-2		8" SAA, coarsening sand with depth.			No Monitoring Well Installed.
6					2" FILL (coal ash, clinker, brick).	0.0	102EX2SB14(5-7') 825	
					6" Dark brown SILT.			
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
BORING/WELL NUMBER 102EX2SB2
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 9
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
		60/22	S-1		8" Brown fine SAND and SILT, trace fill (glass, gravel).	0.0		
1								
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
BORING/WELL NUMBER 102EX2SB3
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 9
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		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		
1								
2							102EX2SB3(1-3') 1110 MS/MSD 1110	
3								
4						0.0		
5		48/39	S-2		8" Tan SILTY FILL.			No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX2SB4
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' N of 102EX2SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/34	S-1		14" Brown TOPSOIL (fine sand and silt), trace organics, trace fill (glass, plastic).	0.0		
2					12" SAA, increasing fill with depth.		102EX2SB4(1-3') 1130	
4					8" Brown SILT with fill (coal ash, clinker, gravel).			
5		60/32	S-2		6" SAA.	0.0		No Monitoring Well Installed.
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	
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
BORING/WELL NUMBER 102EX2SB5
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB4
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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		12" TOPSOIL (brown silt, some organics, glass).	0.0		
1					26" Brown SAND and SILT with fill (glass, metal, ash).			
2						0.0		
3								
4								
5					2" FILL (coal ash and clinker)			
		72/45	S-2		12" SAA, increasing fill with depth.	0.0		No Monitoring Well Installed.
6								
7					3" Black SILT.			
					10" Black SILT with tan sand.			
8						0.0	102EX2SB5(7-9') 1150	
					8" Brown/tan SILT, dense.			
9								
10					12" Tan fine to medium 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
BORING/WELL NUMBER 102EX2SB6
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB5
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		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	
5		60/36	S-2		14" FILL (white ash, glass, plastic, coal, fibrous brown material).	0.0	102EX2SB6(5-7') 1210	No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX2SB7
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' E of 102EX2SB6
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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		4" TOPSOIL.	0.0		
1					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.			No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX2SB8
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' N of 102EX2SB4
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (1-3'), (5-7'), (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/28	S-1		4" TOPSOIL.			
					24" FILL (brown sand with ash, coal, clinker, brick, glass).	0.0		
1								
2							102EX2SB8(1-3') 1320 MS/MSD 1320	
3						0.0		
4								
5		60/44	S-2		12" SAA.			No Monitoring Well Installed.
6					4" FILL (white cinder and ash with sand and wood, some orange mottling).	0.0	102EX2SB8(5-7') 1330	
7					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
BORING/WELL NUMBER 102EX2SB9
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 5' N of 102EX2SB5
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs (7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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		3" TOPSOIL.			
1					16" Brown SAND with fill (glass, ash, styrofoam, wood, plastic).	0.0		
2								
3					17" FILL (glass, ash, clinker, wood).	0.0		
4								
5		72/46	S-2		14" FILL (white ash, coal ash, clinker).	0.0		No Monitoring Well Installed.
6								
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
BORING/WELL NUMBER SB-102-6
TRC GEOLOGIST J. Robinson
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 4/1/2013
LOCATION Approximately 2.5' NE of 102EX1SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 DT Truck Rig
NOTES Sampled for PCBs at (4').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) NA
TOTAL DEPTH (Feet) 11
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet) NA

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.			
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
BORING/WELL NUMBER 102EX1SB1-A
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet W of 102EX1SB1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (5-7').

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		60/38	S-1		13" Brown SILTY SAND and GRAVEL, trace brick.	HS: 0.0		
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		No Monitoring Well Installed.
6							102EX1 SB1-A(5-7') 1055	
7					3" Brown SILT.			
					5" PEAT.	HS: 0.0		
8					29" Light brown/tan fine SAND, some gravel, dense.			
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
BORING/WELL NUMBER 102EX1SB1A-1
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/2013
LOCATION Approximately 5 feet W of 102EX1SB1A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (9-11').

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		60/41	S-1		19" Brown SILTY SAND and GRAVEL, trace fill (brick, ash, glass, coal).	HS: 0.0		
2								
3					4" Pulverized GRAVEL.			
					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		No Monitoring Well Installed.
6					9" Black SILT, trace brick.			
7					36" Tan/orange mottled SAND, little gravel.	HS: 0.0		
8								
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
BORING/WELL NUMBER 102EX1SB1A-2
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/2013 & 7/19/13
LOCATION Approximately 5 feet S of 102EX1SB1A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (3-5'), (7-9'), (9-11'), (13-15').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 14.5
TOTAL DEPTH (Feet) 18
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		60/40	S-1		20" Brown GRAVELLY SAND.	HS: 0.0		
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					30" Tan/gray GRAVELLY SAND.	HS: 0.0		
8							102EX1SB1A-2 (7-9') 1315	
9						HS: 0.0		No Monitoring Well Installed.
10							102EX1SB1A-2 (9-11') 1320	
11					4" Pulverized GRAVEL. NO LITHOLOGY FOR THIS INTERVAL.			
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. 6" Light brown fine to medium SAND.			
16					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
BORING/WELL NUMBER 102EX1SB1-B
TRC GEOLOGIST J. Fiero, J.Robinson
DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas
DATE DRILLED 5/14/13 &8/21/13
LOCATION Approximately 5' W of 102EX1SB2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 Box Truck
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'), (11-13'), (13-15').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12.3
TOTAL DEPTH (Feet) 20.5
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

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
3					12" Brown fine to medium SAND with fill (glass, gravel).	1.2		
5		48/36	S-2		12" SAA.	0.0	102EX1SB1-B (5-7') 09:15	
7					24" Tan fine SAND, trace fine to medium gravel, trace concrete.	0.0	102EX1SB1-B (7-9') 09:20	
9		63/63	S-3		0-6" SLOUGH.			
10					6-12" Brown-gray to brown fine to medium SAND (SW).			
11					12-18" Gray to brown SILT and fine SAND, moist to wet (SM).	2.6	102EX1SB1-B (9-11') 08:45	
12					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	▽
13					40-63" Brown SILT and fine SAND, trace medium sand and fine gravel, dense, saturated (SM).			
14						0.3	102EX1SB1-B (13-15') 09:00	
15		66/42	S-4		0-12" SLOUGH.	0.0		
17					12-42" Light brown fine to coarse SAND, some silt and fine to medium subrounded gravel, saturated (SW).	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
BORING/WELL NUMBER 102EX1SB2A-1
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/13 & 7/19/13
LOCATION Approximately 5 feet S of 102EX1SB2A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'),(11-13'),(13-15'),(15-17').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 19
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
0		60/31	S-1		5" TOPSOIL.			
1					2" Pulverized GRAVEL.			
2					19" Dark brown SILTY SAND with fill (gravel, brick, glass, clinker, coal, ash).	HS: 0.0		
3						HS: 0.0		
4								
5					1" Black granular SAND.			
		72/52	S-2		4" Dark brown SILTY SAND with fill (gravel, brick, glass, clinker, coal, ash).	HS: 0.0		
6					15" FILL (dark brown silty sand, wood, glass, ash, coal).		102EX1SB2A-1 (5-7') 1535	
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		No Monitoring Well Installed.
10							102EX1SB2A-1 (9-11') 1545	
11		48/23			5" Brown SILTY SAND, little fill (glass, coal, brick).			
12					18" Tan SANDY SILT with gravel.	OS: 0.0	102EX1SB2A-1 (11-13') 1330	
13								
14							102EX1SB2A-1 (13-15') 1335	
15		48/30			15" SAA.	OS: 0.0		
16							102EX1SB2A-1 (15-17') 1340	
17					15" Tan very fine SAND, completely saturated.			
18						OS: 0.0		
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
BORING/WELL NUMBER 102EX1SB2-B
TRC GEOLOGIST J.Robinson,J. Fiero
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/13 & 9/19/13
LOCATION Approximately 5 feet E of 102EX1SB2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 21
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet)
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
0		60/46	S-1		12" Brown SAND and GRAVEL.	HS: 0.0		
1					12" FILL (white ash with red/brown sand, ash, coal, clinker).			
2					6" Dark brown/black SAND with gravel.			
3					14" FILL (reddish brown ash, coal, glass, metal, white ash).	HS: 0.0	102EX1 SB2-B(3-5') 1010	
4					2" Brown/red SILTY SAND.			
5		60/33	S-2		10" SAA.		102EX1 SB2-B(5-7') 1015	No Monitoring Well Installed.
6					20" PEAT, trace metal.	HS: 0.0		
7							102EX1 SB2-B(7-9') 1345	
8								
9					3" Brown SILT.	HS: 0.0		
10		60/60	S-3		10" SAA.		102EX1 SB2-B(9-11') 1350	
11					26" Gray/tan, orange mottled fine SAND.			
12						HS: 0.0	102EX1 SB2-B(11-13') 1400	
13					16" Tan fine to coarse SAND, some silt, sub-angular to sub-rounded gravel, moist to wet.			
14					8" Orange/brown fine to coarse SAND and SILT, little to some fine to coarse sub-angular to sub-rounded gravel, saturated.		102EX1 SB2-B(13-15') 1405	
15		48/38	S-4		19" Tan medium to coarse SAND with silt, little sub-angular to sub-rounded gravel, saturated.			
16							102EX1 SB2-B(15-17') 1425	
17					19" Tan silty fine to coarse SAND, little sub-angular to sub-rounded gravel, saturated.			
18							102EX1 SB2-B(17-19') 1430	
19		24/24	S-5		24" Tan/gray fine to coarse SAND with sub-angular to 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
BORING/WELL NUMBER 102EX1SB2B-1
TRC GEOLOGIST J.Robinson, J.Fiero
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/13 & 9/19/13
LOCATION Approximately 5 feet E of 102EX1SB2B
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 21
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet)
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
0		60/25	S-1		4" TOPSOIL.			
1					8" Dark brown GRAVELLY SAND.	0.0		
2					13" FILL (red/brown sand, gravel, coal, glass, ash, plastic).			
3						0.0		
4							102EX1SB2-B-1(3-5') 1435	
5		72/39	S-2		7" SAA.	0.0		No Monitoring Well Installed.
6					16" FILL (white ash, coal, glass).		102EX1SB2-B-1(5-7') 1440	
7						0.0		
8						0.3	102EX1SB2-B-1(7-9') 1605	
9					10" PEAT.			
10					4" Gray pulverized GRAVEL.	0.0	102EX1SB2-B-1(9-11') 1610	
11					2" Fine SAND, little gravel. 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
BORING/WELL NUMBER 102EX1SB2A-2
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/13 & 7/19/13& 8/21/13
LOCATION Approximately 5 feet E of 102EX1SB2A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 20
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet)

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
0		60/43	S-1		11" Dark brown SILTY SAND and GRAVEL.			
1					22" FILL (brown/orange sand, glass, coal, ash, clinker, metal).	HS: 0.0		
2								
3								
4					2" Dark brown/black SILT.		102EX1SB2A-2 (3-5') 1505	
					2"Black SAND, loose.	HS: 11.6		
5					6" Dark brown/black SILT.		102EX1SB2A-2 (4-6') 1140	
		72/48	S-2		12" FILL (white ash, coal, clinker, glass, gravel).			
6							102EX1SB2A-2 (5-7') 1510	
						HS: 0.0		
7					12" PEAT.			
8					6" Tan SILT.		102EX1SB2A-2 (7-9') 1515	
9					18" Tan fine to coarse SAND and GRAVEL.	HS: 0.0		No Monitoring Well Installed.
10							102EX1SB2A-2 (9-11') 1520	
11		48/44	S-3		12" Brown SILTY SAND, little fill (glass, coal, brick).			
12					26" Tan/orange fien to coarse SAND, some gravel.		102EX1SB2A-2 (11-13') 1420	
13						HS: 0.0		
14							102EX1SB2A-2 (13-15') 1425	
					2" Tan coarse SAND.			
15					3" Light brown SILT, wet.			
		48/26	S-4		1" Pulverized GRAVEL, wet.			
16					10" Dark brown SILTY SAND, completely saturated.	HS: 1.2		
17					8" Light brown SILT, saturated.		102EX1SB2A-2 (17-18') 1150	
18					8" Light brown very fine SAND, completely saturated.			
19							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
BORING/WELL NUMBER 102EX1SB3-B
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet N of 102EX1SB3
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (1-3'),(5-7').

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
0		60/40	S-1		2" ASPHALT.			
1					12" Dark brown SILTY SAND with gravel, some fill (clinker, coal, brick, glass, porcelain).			
2					4" Crushed CONCRETE.		102EX1 SB3-B(1-3') 1215	
					4" FILL (brown/black sand with glass, coal, ash).	HS: 0.0		
3					6" Black/brown fine SAND.			
4					12" FILL (white ash, cinder, coal, clinker).	HS: 0.0		
5		72/56	S-2		14" SAA, lots of glass, wire.			No Monitoring Well Installed.
6						HS: 0.0	102EX1 SB3-B(5-7') 1220	
7					13" PEAT.			
8					29" Gray fine to coarse SAND and GRAVEL.	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
BORING/WELL NUMBER 102EX1SB4-A
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet E of 102EX1SB4
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (3-5'),(5-7').

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
0		60/41	S-1		4" Brown SILTY SAND, little organics.			
1					10" FILL (brown/red sand, ash, coal, glass, scrap metal).	HS: 0.0		
2					2" FILL (coal, coke, ash). 5" Dark brown/red SILT.			
3					20" FILL (red/white/black ash, coal, glass, clinker, metal).	HS: 0.0		
4							102EX1 SB4-A(3-5') 1345	
5		72/46	S-2		12" SAA.	HS: 0.0		No Monitoring Well Installed.
6							102EX1 SB4-A(5-7') 1350	
7					15" PEAT, moist at bottom.	HS: 0.0		
8								
9					19" Tan fine to coarse 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
BORING/WELL NUMBER 102EX1SB4A-1
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/2013
LOCATION Approximately 5 feet E of 102EX1SB4A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (3-5'),(5-7').

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
0		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		
4						HS: 0.0	102EX1SB4-A-1(3-5') 1410	
5					3" BRICK.			
		72/46	S-2		11" FILL (white ash, coal, glass, metal, wood, leather).			
6						HS: 0.0	102EX1SB4-A-1(5-7') 1415	
7					13" PEAT.			
8					22" Tan/gray GRAVELLY SAND.	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
BORING/WELL NUMBER 102EX1SB4-B
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet N of 102EX1SB4
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (3-5').

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
0		60/34	S-1		5" Brown SILTY SAND and GRAVEL.			
1					1" COBBLES.			
					28" FILL (brown/red sand, ash coal, glass, cinders).	HS: 0.0		
2								
3						HS: 0.3		
4							102EX1 SB4-B(3-5') 1320	
5		72/50	S-2		5" SAA.	HS: 0.3		No Monitoring Well Installed.
6					12" FILL (white ash and sand).			
7					12" PEAT with trace fill (brick and coal).	HS: 0.0		
8								
9					21" Tan/gray/brown fine to coarse 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
BORING/WELL NUMBER 102EX1SB4B-1
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/16/2013
LOCATION Approximately 5 feet E of 102EX1SB4B
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (3-5').

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
0		60/36	S-1		11" TOPSOIL (silty sand, gravel, organics).			
1						HS: 0.0		
					25" FILL (white ash, coal, glass, clinker, gravel).			
2								
3						HS: 0.0		
4							102EX1SB4-B-1(3-5') 1330	
5		72/55	S-2		12" SAA.	HS: 0.0		No Monitoring Well Installed.
6								
					6" FILL (white ash, coal, glass).			
7					14" PEAT.	HS: 0.0		
8								
					23" Gray/tan 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
BORING/WELL NUMBER 102EX2SB13-A
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet N of 102EX2SB13
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (5-7').

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
0		60/43	S-1		1" ASPHALT. 6" Light brown SAND and GRAVEL.			
1					3" FILL (black/red ash, clinker, coal, glass).	HS: 0.0		
					3" Light brown fine to coarse SAND and GRAVEL, trace fill (coal).			
2					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		No Monitoring Well Installed
6							102EX2 SB13-A(5-7') 1505	
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
BORING/WELL NUMBER 102EX2SB3-A
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet S of 102EX2SB3
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (1-3'),(5-7').

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
0		60/34	S-1		4" Brown SILTY SAND and GRAVEL, with organics.			
1					12" FILL (reddish brown SAND and ASH with glass, coke, coal, gravel, porcelain, scrap metal).	HS: 0.0		
2							102EX2 SB3-A(1-3') 1145	
3					18" Pulverized GRAVEL.	HS: 0.0		
4								
5		72/50	S-2		3" SAA.	HS: 0.0		
6					4" FILL (wood with dark brown/black silt, trace brick, glass).			No Monitoring Well Installed.
					4" BRICK.		102EX2 SB3-A(5-7') 1150	
7					6" PEAT, some glass.			
					3" Brown/light brown fine to coarse SAND and GRAVEL.	HS: 0.0		
8					30" Gray orange mottled fine to medium SAND with gravel.			
9						HS: 0.0		
10								
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
BORING/WELL NUMBER 102EX2SB4-A
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet W of 102EX2SB4
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (1-3'),(5-7').

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
0		60/52	S-1		12" Brown SILTY SAND, some gravel and organics.			
1					10" Brown SILTY SAND and fill (ash, coal, plastic, glass, brick, glass).	HS: 0.0		
2					2" TAR like material, dense, slight petroleum-like odor.		102EX2 SB4-A(1-3') 1400	
					4" Brown SAND and GRAVEL.			
3					4" Pulverized CONCRETE/GRAVEL.			
					6" FILL (ash, coal, clinker).	HS: 0.0		
4					4" Pulverized GRAVEL.			
					2" Brown GRAVELLY SAND.			
					6" Pulverized CONCRETE/GRAVEL.			
5		72/54	S-2		4" SAA.	HS: 0.0		
					1" TAR-like material, dense, slight oil-like odor.			No Monitoring Well Installed.
6					10" Brown/black/orange fine SAND and SILT.		102EX2 SB4-A(5-7') 1410	
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.			

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

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER 102EX2SB8-A
TRC GEOLOGIST J.Robinson
DRILLING CONTRACTOR/FOREMAN NEG/H.Rembijas
DATE DRILLED 5/14/2013
LOCATION Approximately 5 feet W of 102EX2SB8
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe 6600
NOTES Sampled for PCBs (5-7'),(7-9').

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
		60/43	S-1		8" Brown SILTY SAND, with gravel and organics.			
1					20" Brown SILTY SAND, little fill (brick, coal, ash, glass).	HS: 0.0		
2								
3						HS: 0.0		
					15" FILL (brown/red sand, brick, coal, glass, ash, glass, clinker).			
4								
5		72/53	S-2		6" SAA.	HS: 0.0		
					6" FILL (white and black ash, coal, glass, wood).		102EX2 SB8-A(5-7') 1435	No Monitoring Well Installed.
6					4" PEAT.			
7					6" Pulverized GRAVEL/CONCRETE.	HS: 0.0		
					8" Brown/light brown orange mottled SILT, moist.		102EX2 SB8-A(7-9') 1440	
8					23" Brown/tan fine to coarse SAND and GRAVEL, moist.			
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 City of New Bedford/115058
BORING/WELL NUMBER 102EX1SB1B-1
TRC GEOLOGIST K. Jordan/J. Robinson
DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H.Rembijas
DATE DRILLED 5/14/13 &6/19/13
LOCATION Approximetely 5' west of 102EX1SB1B-B
SAMPLING METHOD 60" Macrocore
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').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 14
TOTAL DEPTH (Feet) 19
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
0		60/24	S-1		3" TOPSOIL.	11.0		
1					21" FILL (glass, coal, ceramic, brick in silty sand).			
2								
3								
4								
5		60/40	S-2		10" FILL (glass) in silty sand.	7.1		
6							102EX1 SB1-B-1(5-7') 1555	
7					10" Black PEAT.			
8					20" Gray to tan fine-medium SAND, little gravel.		102EX1 SB1-B-1(7-9') 1600	
9								No Monitoring Well Installed.
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 DUP-01 1010	
13								
14					10" Tan coarse SAND, wet.		102EX1SB1B-1 (13-15) 0915	▽
15		36/20	S-4					
16					10" Tan fine SAND, little silt, wet.		102EX1SB1B-1 (15-17) 0917	
17					20" Tan fine SAND, little silt, wet.			
18		24/20	S-5					
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
BORING/WELL NUMBER 102EX1SB1B-1B1
TRC GEOLOGIST K. Jordan
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor
DATE DRILLED 6/19/2013
LOCATION Approximately 5' S of 102EX1SB1B-1B
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 6620DT Track Rig
NOTES Sampled for PCBs (5-7').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet) N/A
REFERENCE ELEVATION (Feet) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0	N/A	60/24	S-1		24" FILL (glass, ash, plastic, coal, clinker).	-		
5	N/A	60/36	S-2		12" FILL (glass, ash, plastic, coal, clinker).	0.8		
					12" Black PEAT.		102EX1SB1B-1B1 (5-7) 1430	
7					12" Light gray fine SAND.			No Monitoring Well Installed
10	N/A	36/36	S-3		30" Tan-gray fine SAND.	-		
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
BORING/WELL NUMBER 102EX1SB2A-1B2
TRC GEOLOGIST K. Jordan
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor
DATE DRILLED 6/19/2013
LOCATION Approximately 5' E of 102EX1SB2A-1B
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 6620DT Track Rig
NOTES Sampled for PCBs (5-7'), (7-9'), (9-11')

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet) N/A
REFERENCE ELEVATION (Feet) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0	N/A	60/28	S-1		8" Brown fine to medium SILTY SAND, little fine to medium gravel.	1.0		
1					20" FILL (clinker, ash, glass).			
2	N/A							
3								
4	N/A							
5	N/A	60/26	S-2		2" FILL (clinker, ash, glass).	12.0		
					18" Black PEAT.			
6	N/A						102ESX1SB2A-1B2 (5-7) 1725	
7					6" Brown SILT, little clay.			No Monitoring Well Installed.
8	N/A						102ESX1SB2A-1B2 (7-9) 1727	
9								
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
BORING/WELL NUMBER 102EX1SB2B-1A
TRC GEOLOGIST K. Jordan / Z. Richards
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor
DATE DRILLED 6/19/2013
LOCATION Approximately 5' N of 102EX1SB2A-1A1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 6620DT Track Rig
NOTES Sampled for PCBs (3-5').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet) N/A
REFERENCE ELEVATION (Feet) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0					0-6" TOPSOIL.			
1					6-20" Light Brown fine to medium SAND, little fine gravel.			
2	NA	60/20	S-1			1.7		
3								
4							102EX1SB2B-1A (3-5) 1702	
5					0-8" Light Brown fine to medium SAND, little fine gravel.			
6					8-16" Brown PEAT.			No Monitoring Well Installed
	NA	60/18	S-2			11.8		
7					16-18" Gray-brown SILT, little clay.			
8								
9								
10								
	NA	36/24	S-3		0-16" Gray-brown SILT, little clay.	2.0		
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
BORING/WELL NUMBER 102EX1SB2A-1A1
TRC GEOLOGIST Kevin Jordan
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 6/19/2013
LOCATION Approximately 5' west of 102EX1SB2A-1A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 7822 DT Track Rig
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 14
TOTAL DEPTH (Feet) 13
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
0		60/29	S-1		5" TOPSOIL.	1.0		
1					24" FILL (glass, ash, coal, clinker, tar @ 4.5 feet)			
2								
3								No Monitoring Well Installed.
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.	1.3	102EX1SB2A-1A1 (9-11) 1200	
11								
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
BORING/WELL NUMBER 102EX1SB1B-1A
TRC GEOLOGIST K. Jordan/J. Robinson
DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas
DATE DRILLED 6/19/13 & 7/19/13
LOCATION Approximately 5' north of 102EX1SB1B-1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
NOTES Sampled for PCBs (5-7'),(7-9'), (9-11'),(11-13'),(13-15').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 13
TOTAL DEPTH (Feet) 18
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
0		60/30	S-1		14" TOPSOIL, trace brick.	2.1		
					2" Gray fine SAND.			
					10" FILL (glass, styrofoam, coal ash).			
					4" Pulverized CONCRETE.			
5		60/36	S-2		14" FILL (glass, coal, brick, ash) in silty sand.	1.1	102EX1SB1B-1A (5-7) 0945	
					8" Black PEAT.			
					14" Tan fine-medium SAND, little gravel.		102EX1SB1B-1A (7-9) 0947	No Monitoring Well Installed.
10		36/30	S-3		18" Tan fine-medium SAND, little gravel.	0.4	102EX1SB1B-1A (9-11) 0950	
					12" Tan SILT, some fine sand, little fine gravel.		102EX1SB1B-1A (11-13) 0955	▽
13		60/21			6" Brown SILT, wet.	0.0		
					11" Tan fine SAND and GRAVEL, wet.		102EX1SB1B-1A (13-15) 1245	
15						0.0		
17					2" Pulverized GRAVEL.			
					2" Tan SILT and GRAVEL, wet.			
18					End fo 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
BORING/WELL NUMBER 102EX1SB1B-1A1
TRC GEOLOGIST K. Jordan/J. Robinson
DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas
DATE DRILLED 6/19/13 & 7/19/13
LOCATION Approximately 5' north of 102EX1SB1B-1A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'),(11-13').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 13
TOTAL DEPTH (Feet) 18
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
0		60/36	S-1		10" TOPSOIL.	4.0		
1					7" Brown fine-medium SAND.			
2					19" FILL (clinker, glass, plastic, paper).			
3								
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								No Monitoring Well Installed.
10					4" Gray SILT.			
11		36/36	S-3		36" Tan fine SAND, moist.	1.3	102EX1SB1B-1A1(9-11) 1015	
12							102EX1SB1B-1A1(11-13) 1017	
13								▽
14		60/60	S-4		27" Brown SAND and FILL (glass, ash), completely saturated.			
15						0.0		
16					15" Light brown very fine SAND, wet.			
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
BORING/WELL NUMBER 102EX1SB1B-1A2
TRC GEOLOGIST Kevin Jordan
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 6/19/2013
LOCATION Approximately 5' west of 102EX1SB1B-1A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 7822 DT Track Rig
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'),(11-13').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Not Encountered
TOTAL DEPTH (Feet) 13
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
0		60/24	S-1		6" TOPSOIL.	0.5		No Monitoring Well Installed.
1					18" FILL (glass, rust, coal) in silty sand.			
2								
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							102EX1SB1B-1A2 (7-9) 1032	
9					8" Black to brown PEAT.			
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
BORING/WELL NUMBER 102EX1SB1B-1B
TRC GEOLOGIST K. Jordan, J. Fiero
DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas
DATE DRILLED 6/19/13 &8/21/13
LOCATION Approximately 5' west of 102EX1SB1B-1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 Box Truck
SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 18.5
TOTAL DEPTH (Feet) 21
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA
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		
2					17" FILL (glass, coal), with sand.	0.5		
3								
4						1.0		
5								No Monitoring Well Installed
		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								
8						0.3	102EX1SB1B-1B (7-9') 11:22	
9					10" Gray fine SAND.			
10							102EX1SB1B-1B (9-11') 11:25	
		60/42	S-3		0-12" SLOUGH.			
11					12-18" Gray to light brown silty fine SAND (SM).			
12					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).	0.0	102EX1SB1B-1B (11-13') 10:15	
13								
14						0.1	102EX1SB1B-1B (13-15') 10:20	
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
BORING/WELL NUMBER 102EX1SB2-A
TRC GEOLOGIST K. Jordan/J. Robinson
DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas
DATE DRILLED 5/14/13 &6/19/13
LOCATION Approximately 5' south of 102EX1SB1-B
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 7822 DT Track Rig/Truck Rig
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 15
TOTAL DEPTH (Feet) 19
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet)
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
0		60/20	S-1		4" TOPSOIL.	10.1		
1					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							102EX1 SB2-A(5-7') 940	
7					10" Brown to black SILTY SAND, some angular gravel.			
8					7" Brown PEAT, wet (perched).		102EX1 SB2-A(7-9') 945	
9					9" Gray fine-medium SAND, little gravel.			No Monitoring Well Installed.
10		60/36	S-3		3" Gray SILT and FILL (glass, coal), dry.	4.6	102EX1 SB2-A(9-11') 950	
11					33" Tan fine-coarse SAND, little fine-medium gravel, dry.			
12							102EX1SB2-A (11-13) 0955	
13								
14							102EX1SB2-A (13-15) 0833	
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
BORING/WELL NUMBER 102EX1SB2A-1A
TRC GEOLOGIST K. Jordan, J. Fiero
DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas
DATE DRILLED 6/19/13&8/21/13
LOCATION Approximately 5 feet S of 102EX1SB2A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 Box Truck
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11'), (11-13'), (13-15').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 17.8
TOTAL DEPTH (Feet) 20
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	Sample Type/#	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0		60/12	S-1		1" TOPSOIL. 11" FILL (glass, clinker, rust).			
5		60/34	S-2		12" FILL (glass, clinker, rust, ash layer @ 6.5 feet).	7.5	102EX1SB2A-1A (5-7') 1230	No Monitoring Well Installed
7					12" Black PEAT.		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	
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	
15		60/51	S-5		0-33" SLOUGH.			
18					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
BORING/WELL NUMBER 102EX1SB2A-1B
TRC GEOLOGIST K. Jordan, J. Fiero
DRILLING CONTRACTOR/FOREMAN N. E. Geotech/Hayes Rembijas
DATE DRILLED 8/21/2013
LOCATION Approximately 5 feet S of 102EX1SB2A
SAMPLING METHOD 60" Macrocore
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').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 14
TOTAL DEPTH (Feet) 25
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

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. 22" FILL (brick, ash, glass, coal, clinker).	0.7		No Monitoring Well Installed
5		60/28	S-2		12" FILL (brick, ash, glass, coal, clinker).	4.9	102EX1SB2A-1B (5-7) 14:05	
7					8" Black PEAT.		102EX1SB2A-1B (7-9) 14:07	
9					8" Gray SILT, little fine sand, trace metal.			
10		60/60	S-3		36" Light brown to orange fine to medium SAND, little coarse cand and fine to medium subangular gravel, dry (SW).		102EX1SB2A-1B (9-11) 14:10	
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).			
14						0.2	102EX1SB2A-1B (13-15') 13:50 ▽	
15		60/60	S-4		12" Orange brown SILTY fine SAND, trace medium sand and fine subangular to subrounded gravel, saturated, very dense (SM). 42" SLOUGH.	0.3	102EX1SB2A-1B (15-16') 13:55	
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.			
23					24" Brown fine SAND, little to trace silt, medium sand and fine subangular to subrounded gravel, saturated to dense, (SW).	0.1		
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
BORING/WELL NUMBER 102EX1SB4A-1B
TRC GEOLOGIST Zack Richards
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor
DATE DRILLED 6/19/2013
LOCATION Approximately 5' east of 102EX1SB4A-1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 6620 DT Track Rig
NOTES Sampled for PCBs (3-5').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Not Encountered
TOTAL DEPTH (Feet) 13
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
		60/22	S-1		2" TOPSOIL.	120.8		
1					12" FILL (glass, ash, fabric w/ strong odor @ 2.8 feet bgs), some sand and silt.			
2								
3					3" Crushed STONE.			No Monitoring Well Installed.
4					5" FILL (wood, ash, ceramic).		102EX1SB4A-1B (3-5) 1757	
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
BORING/WELL NUMBER 102EX1SB2A-1C
TRC GEOLOGIST K. Jordan/J. Robinson
DRILLING CONTRACTOR/FOREMAN NEG/S.Perry/H. Rembijas
DATE DRILLED 6/19/13 & 7/19/13
LOCATION Approximately 5' south of 102EX1SB2A-1
SAMPLING METHOD 60" Macrocore
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').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 15
TOTAL DEPTH (Feet) 18
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
0		60/15	S-1		7" TOPSOIL.	1.2		
1								
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								No Monitoring Well Installed.
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		60/26	S-4		8" Brown/tan SILTY SAND, trace fill.	0.0		
14							102EX1SB2A-1C (13-15) 1400	
15					11" Light brown/orange fine to medium SAND, little gravel, wet.			▽
16						0.0	102EX1SB2A-1C (15-17) 1405	
17					7" Light brown very fine SAND, completely saturated.			
18							102EX1SB2A-1C (17-18) 1410	
					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
BORING/WELL NUMBER 102EX1SB2A-1C1
TRC GEOLOGIST K.Jordan, J. Fiero
DRILLING CONTRACTOR/FOREMAN NEG/Hayes Rembijas
DATE DRILLED 6/19/13&8/21/13
LOCATION Approximately 5' south of 102EX1SB2A-1C
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push 6600 Box Truck

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 14
TOTAL DEPTH (Feet) 19
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

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
0		60/28	S-1		4" TOPSOIL.	10.2		No Monitoring Well Installed
1					24" FILL (ash, clinker, brick, glass).			
2						19		
3								
4						27		
5		60/28	S-2		8" FILL (ash, clinker, brick, glass).	8.1		
6						27	102EX1SB2A-1C1 (5-7') 12:45	
7					12" Black PEAT.			
8						54	102EX1SB2A-1C1 (7-9') 12:50	
9					2" Gray fine SAND.			
					2" Black PEAT.			
					4" Dark gray SILT.	13.5		
10		60/60	S-3		10" SLOUGH.		102EX1SB2A-1C1 (9-11') 14:40	
11					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).			
12							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
BORING/WELL NUMBER 102EX1SB2A-2A
TRC GEOLOGIST K. Jordan, J. Fiero
DRILLING CONTRACTOR/FOREMAN NEG/Perry, Rembijas
DATE DRILLED 6/19/13 & 9/19/13
LOCATION Approximately 5' south of 102EX1SB2A-2
SAMPLING METHOD 60" & 48" Macrocore
DRILLING METHOD Direct Push - 7822 DT Track Rig

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 21
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet)

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		
2					12" FILL (coal, ash, clinker, glass).			
3								No Monitoring Well Installed.
4							102EX1SB2A-2A (3-5) 1512	
5		60/28	S-2		8" FILL (coal, ash, clinker, glass).	24.6		
6							102EX1SB2A-2A (5-7) 1515	
7					12" Black PEAT.			
8							102EX1SB2A-2A (7-9) 1517	
9					6" Gray SILT.			
10					2" Tan fine-medium SAND, little fine gravel.			
		36/18	S-3		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						0.0	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						0.3	102EX1SB2A-2A (17-19) 1325	
19					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		
20							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
BORING/WELL NUMBER 102EX1SB2A-2A1
TRC GEOLOGIST K.Jordan &J.Fiero
DRILLING CONTRACTOR/FOREMAN NEG/Maynor,Rembijas
DATE DRILLED 6/19/13 & 9/19/13
LOCATION Approximately 5' south of 102EX1SB2A-2A
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 6620 DT Track Rig
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 13
TOTAL DEPTH (Feet) 21
GROUND ELEVATION (Feet)
REFERENCE ELEVATION (Feet)
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
0		60/20	S-1		6" TOPSOIL.	10.7		
1					14" FILL (ash, clinker, brick).		102EX1SB2A-2A1(1-3') 1445	No Monitoring Well Installed.
2								
3							102EX1SB2A-2A1(3-5') 1450	
4								
5		60/28	S-2		10" FILL (ash, rust, coal, glass).		102EX1SB2A-2A1(5-7') 1500	
6						0.3		
7					10" Black PEAT.		102EX1SB2A-2A1(7-9') 1505	
8								
9					8" Gray fine-medium SILTY SAND, trace fine gravel.		102EX1SB2A-2A1(9-11') 1515	
10		36/18	S-3		18" Gray to tan fine-coarse SAND, little fine-medium gravel, little orange sand.			
11							102EX1SB2A-2A1(11-13')	
12						0.0		▽
13					Brown fine to coarse SAND, some to little fine to medium gravel, wet.		102EX1SB2A-2A1(13-15') 1530	
14								
15					Gray fine to medium SILTY SAND, some to little coarse sand, wet to saturated.	0.0		
16							102EX1SB2A-2A1(15-17') 1540	
17					Tan SILT with some fine sand and fine to coarse gravel, saturated.	0.0		
18							102EX1SB2A-2A1(17-18') 1545	
19					Tan fine SAND.	0.0		
20							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
BORING/WELL NUMBER 102EX1SB4A-1A
TRC GEOLOGIST Kevin Jordan
DRILLING CONTRACTOR/FOREMAN New England Geotech/Maynor
DATE DRILLED 6/19/2013
LOCATION Approximately 5' south of 102EX1SB4A-1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - 6620 DT Track Rig
NOTES Sampled for PCBs (3-5').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Not Encountered
TOTAL DEPTH (Feet) 13
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
0		60/28	S-1		4" TOPSOIL.	1.8		
1					24" Dark brown fine-medium SAND, trace fine gravel.			
2								
3								No Monitoring Well Installed.
4							102EX1SB4A-1A (3-5) 1632	
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
BORING/WELL NUMBER 102EX2SB8-A1
TRC GEOLOGIST Zack Richards
DRILLING CONTRACTOR/FOREMAN Geosearch/Rodney Dean
DATE DRILLED 6/27/2013
LOCATION Approximately 5' east of 102EX2SB8-A
SAMPLING METHOD 2' Split Spoon
DRILLING METHOD HSA - CME 55
NOTES Sampled for PCBs (5-7').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Not Encountered
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		12/10	SS-1		10" TOPSOIL.			No Monitoring Well Installed.
2	3 3 3 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					1" Brown fine-coarse SAND, little silt and gravel.			
4	3 3 3 4	24/11	SS-3		8" Tan fine-coarse SAND, little silt and gravel.	OS: 0.0		
5					2" Tan SILT, some fine sand. 1" Tan fine-coarse SAND, little silt and gravel.			
6	2 1 1 1	24/14	SS-4		3" SLOUGH. 5" Tan fine-medium SAND, some silt and coarse sand, little fine gravel, moist. 6" FILL (ash, coal, rust, glass, clinker), moist.	OS: 0.0	102EX2SB8-A1 (5-7) 1310	
7					3" Dark Brown SILT (PEAT).			
8	4 6 6 9	24/16	SS-5		2" Crushed STONE. 11" Brown to light gray SILT, some fine sand, trace gravel, dense.	OS: 0.0		
9								
10		24/18	SS-6		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	11 14 18 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
BORING/WELL NUMBER 102EX2SB8-A2
TRC GEOLOGIST Zack Richards
DRILLING CONTRACTOR/FOREMAN Geosearch/Rodney Dean
DATE DRILLED 6/27/2013
LOCATION Approximately 5' north of 102EX2SB8-A
SAMPLING METHOD 2' Split Spoon
DRILLING METHOD HSA - CME 55
NOTES Sampled for PCBs (5-7').

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Not Encountered
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
0		12/9	SS-1		9" TOPSOIL.			No Monitoring Well Installed.
1	5	24/12	SS-2		5" Brown SILTY SAND, some fill (ash, coal, glass), trace gravel.			
2	4 3 3				7" FILL (rust, glass, ash, coal) in brown fine sand and silt.	OS: 0.0		
3	3	24/6	SS-3		6" FILL (glass, rust, coal, ash, clinker).			
4	1 1 1					OS: 0.0		
5	1	24/7	SS-4		7" FILL (glass, rust, coal ash, coal, rubber) in brown silty sand.			
6	1 1 1					HS: 2.8	102EX2SB8-A2 (5-7) 1340	
7	70	24/12	SS-5		1" FILL (glass, rust, coal ash, coal, rubber) in brown silty sand.			
8	49 21 18				8" Crushed STONE.	OS: 0.0		
9					3" Fine-coarse SAND, little gravel, dense (TILL).			
10	20 14 17 25	24/18	SS-6		12" Fine-coarse SAND, little gravel, dense (TILL).	OS: 0.0		
11					6" Orange fine-coarse SAND, some gravel (high iron content).			
					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
BORING/WELL NUMBER 102EX1SB1B-1A1C
TRC GEOLOGIST J. Robinson/ A. Ting
DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas
DATE DRILLED 7/19/2013
LOCATION Approximately 5' W of 102EX1SB1B-1A2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe Truck Rig
NOTES Sampled for PCBs (9-11').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 13
TOTAL DEPTH (Feet) 20
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
0		60/32	S-1		9" Brown SILTY SAND with organics.			
1					18" Brown SILTY SAND, trace-little fill (glass, gravel).	OS:0.0		
2								
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. 13" Gray SILT, SAND, and GRAVEL.			No Monitoring Well Installed.
10		60/38	S-3		2" Orange/tan SAND and SILT. 20" SAA.		102EX1SB1B-1A1C(9-11') 1145 DUP-1/(MS/MSD) 1145	
11								
12						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
BORING/WELL NUMBER 102EX1SB1B-1A2A
TRC GEOLOGIST J. Robinson/ A. Ting
DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas
DATE DRILLED 7/19/2013
LOCATION Approximately 5' S of 102EX1SB1B-1A2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe Truck Rig
NOTES Sampled for PCBs (9-11').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12.5
TOTAL DEPTH (Feet) 20
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
0		60/26	S-1		5" Brown SILTY SAND.			
1					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		
5		60/32	S-2		10" FILL (brown sand, glass, coal, gravel).	OS:0.0		
6					4" Black SILT, trace fill.			
7					18" Gray/light brown fine SAND, little gravel.	OS:0.0		No Monitoring Well Installed.
10		60/32	S-3		15" Light brown orange mottled SAND and GRAVEL.	OS:0.0	102EX1SB1B-1A2A(9-11') 1115	
12					17" Light brown fine SAND and orange mottled SILT, little gravel, wet.	OS:0.0		▽
15					End of boring at 15 feet.			
20								

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

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER 102EX1SB2A-1B1A
TRC GEOLOGIST J. Robinson/ A. Ting
DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas
DATE DRILLED 7/19/2013
LOCATION Approximately 5' N of 102EX1SB2A-1B1A1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe Truck Rig
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 13.5
TOTAL DEPTH (Feet) 20
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
0		60/30	S-1		7" Brown SILTY SAND and GRAVEL and ORGANICS.			
1					2" Pulverized GRAVEL.			
2					21" FILL (brown/red sand, ash, coal, glass).	OS:3.8		
3								
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	No Monitoring Well Installed.
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								
17					5" Gray/tan fine to coarse SAND, wet.			
18					End of boring at 17 feet.			
19								
20								

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

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER 102EX1SB2A-1B1B
TRC GEOLOGIST J. Robinson/ A. Ting
DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas
DATE DRILLED 7/19/2013
LOCATION Approximately 5' N of 102EX1SB2A-1B1B1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe Truck Rig
NOTES Sampled for PCBs (5-7'),(7-9'),(9-11').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 13.5
TOTAL DEPTH (Feet) 20
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
0		60/26	S-1		7" Brown SILTY SAND and ORGANICS.			
1						OS:1.0		
					4" FILL (white ash).			
2					10" FILL (brown/red sand, ash, coal, glass).			
3						OS:1.0		
4					5" FILL (white ash, coal).			
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		No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX1SB2A-1B2A
TRC GEOLOGIST J. Robinson/ A. Ting
DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas
DATE DRILLED 7/19/2013
LOCATION Approximately 5' East of 102Ex1SB2A-1B2
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe Truck Rig
NOTES Sampled for PCBs (5-7'),(7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 12.5
TOTAL DEPTH (Feet) 20
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
0		60/36	S-1		6" TOPSOIL (brown silty sand and organics).			
1					16" FILL (red/brown/black sand, ash, coal, plastic).			
2								
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	No Monitoring Well Installed.
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
BORING/WELL NUMBER 102EX1SB2A-1C1A
TRC GEOLOGIST J. Robinson/ A. Ting
DRILLING CONTRACTOR/FOREMAN NE Geotech/H. Rembijas
DATE DRILLED 7/19/2013
LOCATION Approximately 5' E of 102EX1SB2A-1C1
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Direct Push - Geoprobe Truck Rig
NOTES Sampled for PCBs (5-7'),(7-9').

SCREEN TYPE/SLOT NA
FILTER PACK TYPE NA
SEAL TYPE NA
DEPTH TO WATER (Approximate Feet) 11
TOTAL DEPTH (Feet) 20
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
0		60/37	S-1		7" Brown SILTY SAND, some organics.			
1					23" FILL (brown/red/black sand, ash, glass, gravel).			
2						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	
					2" FILL (red/brown sand, ash)			
7					6" Brown PEAT/SILT.	OS: 1.5		
					6" Black PEAT.			
8					8" Gray fine to coarse SAND and GRAVEL.		102EX1SB2A-1C1A(7-9') 0755	
9					11" Gray fine SAND.			No Monitoring Well Installed.
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								

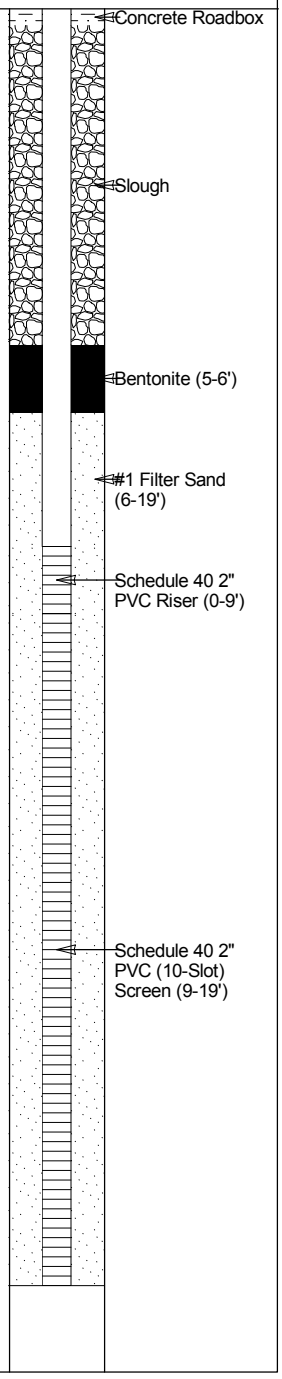
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER MW-43
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 9/19/2013
LOCATION Western limit of 102 Greenwood Street property
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe 6600 Truck Mounted Rig
NOTES Soil sample analyzed for TPH by 8100M

SCREEN TYPE/SLOT 10-Slot
FILTER PACK TYPE #1 Filter Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 19
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
0		60/24	S-1		6" Brown fine SANDY SILT, some organics.		
1					6" Tan/brown fine to coarse SAND, some silt, some coarse gravel, little concrete fragments and crushed stone.	0.3	
2					12" Black/brown SILT with fine sand, little to some fill (wood, glass, coal, coal ash).		
3						1.2	
4							
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					SAA		
16							
17							
18							
19					MW-43 set at 19 feet.		



WELL DIAGRAM

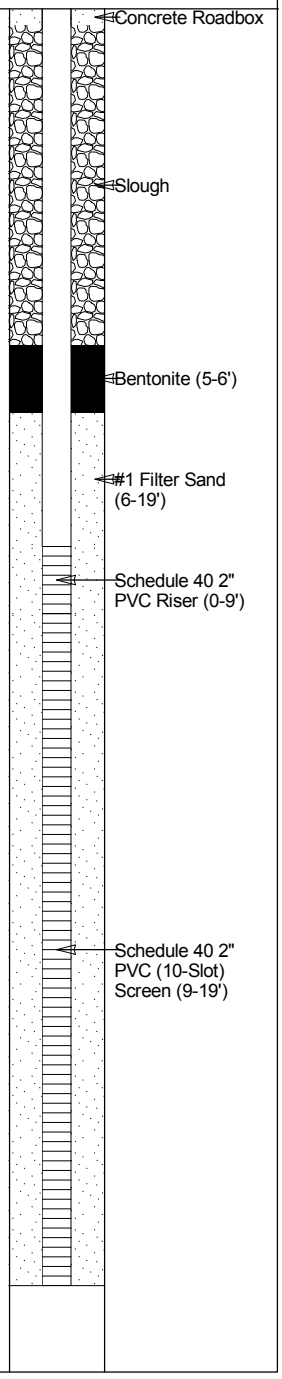
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER MW-44
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 9/19/2013
LOCATION Southern limit of 102 Greenwood Street property
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe 6600 Truck Mounted Rig
NOTES Soil sample analyzed for TPH by 8100M

SCREEN TYPE/SLOT 10-Slot
FILTER PACK TYPE #1 Filter Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 19
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
1		60/30	S-1		8" Brown SILT and fine SAND, some organics and fill (wood).		
					22" Tan/gray/black SILT and SAND with some fill (wood, glass, coal, ash), little subangular-subrounded fine to coarse gravel.	0.0	
5		60/50	S-2		9" SAA.	0.3	
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 (quarzite fragments), moist.	8.3	MW-44 (7-7.5') 1040
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	
10		60/60	S-3		20" SAA, moist to wet.		
12					20" Tan SILT with fine sand, little fine to coarse subangular gravel, saturated.		
13					20" Tan fine SAND, saturated.	0.0	
15					SAA		
16						0.0	
19					MW-44 set at 19 feet.		



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

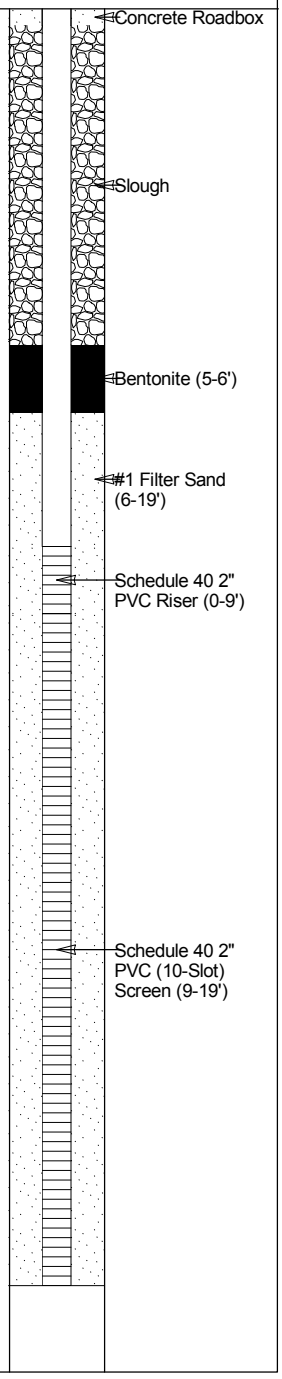
BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058
BORING/WELL NUMBER MW-45
TRC GEOLOGIST J. Fiero
DRILLING CONTRACTOR/FOREMAN N.E Geotech/H. Rembijas
DATE DRILLED 9/19/2013
LOCATION ESE portion of 102 Greenwood Street property
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe 6600 Truck Mounted Rig
NOTES

SCREEN TYPE/SLOT 10-Slot
FILTER PACK TYPE #1 Filter Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet)
TOTAL DEPTH (Feet) 19
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
0		60/33	S-1		6" Brown SILT and fine SAND, some organics.		
1					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.		
2							
3						0.9	
4					3" Brown fine SAND and SILT.		
5					1" Yellow/tan to gray/black SILT and ASH with burnt debris (clinker, coal, coal ash, glass).		
		60/45	S-2		18" SAA.		
6						2.7	
7					12" Black native PEAT.		
8							
9					5" Gray fine SAND and SILT, trace to little medium to coarse sub-angular to sub-rounded gravel (quartzite).		
					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	
10		60/48	S-3		18" SAA, moist to wet.		
11						0.0	
12					30" Orange/brown/tan SILT with some to little fine to coarse sand and fine to coarse sub-angular to sub-rounded gravel, saturated.		
13						0.0	
14							
15					SAA		
16							
17							
18							
19					MW-45 set at 19 feet.		

WELL DIAGRAM



Attachment C – Data Validation Reports (on disc)

Attachment D – Laboratory Analytical Reports (on disc)

Attachment E – Groundwater Sampling Forms

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
ARP - City of New Rochelle	115098	9/24/13	

TRC Personnel: J. Fiero

Well ID: MW-43

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		X

Sampling Equipment:

Flow-thru Cell Volume: 150 mL

PID SCREENING MEAS.

Background	0.0
Well Mouth	17.1

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up _____ ft. (from ground)

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch — Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 18.15 ft. [X] top of riser [ ] top of casing — [X] measured [ ] historical

Water Depth 11.20 ft. — **LNAPL/DNAPL Depth =** — **Thickness =** —

LOW FLOW DATA

Depth of pump intake: ~16' BGS

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 250

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 250

Volume of water purged: ~22.5 Liters

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	0945	0950	0955	1000	1005	1010	1015	1020	1025	1030
Temp. (C)	15.55	15.59	15.58	15.54	15.45	15.46	15.44	15.49	15.48	15.42
Conduct. (µmhos/cm)	0307	0307	0307	0308	0307	0307	0307	0307	0307	0307
DO (mg/l)	2.48	2.45	2.58	2.62	2.65	2.67	2.68	2.70	2.74	2.74
pH (Std. Units)	5.71	5.70	5.70	5.70	5.69	5.69	5.68	5.68	5.67	5.67
Eh/ORP (millivolts)	175	178	180	183	186	189	191	193	195	196.8
Turbidity (NTU)	50	39.8	38	26	18.5	16.6	14.2	10.4	9.45	9.16
Flow (ml/min)	250	250	250	250	250	250	250	250	250	250
Depth To Water (ft)	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

Time	1035	1040	1045	1050	1055	1100	1105	1110
Temp. (C)	0307	0308	15.70	15.56	15.53	15.60	15.63	15.62
Conduct. (µmhos/cm)	15.52	15.63	0308	0308	0308	0308	0308	0308
DO (mg/l)	2.78	2.82	2.82	2.86	2.89	2.92	2.93	2.92
pH (Std. Units)	5.67	5.67	5.66	5.66	5.66	5.66	5.66	5.66
Eh/ORP (millivolts)	197.2	197.3	198.3	199.3	200.3	201.1	201.8	201.9
Turbidity (NTU)	8.7	8.9	7.9	7.3	6.7	6.46	6.41	6.44
Flow (ml/min)	250	250	250	250	250	250	250	250
Depth To Water (ft)	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6

Stabilization Criteria* (3 consecutive readings)
- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type — Purge / Sample

- Peristaltic Pump [ ] [ ]
- Submersible Pump [ ] [ ]
- Bladder Pump [X] [X]
- Other: _____

Comments: YSI 6000 XL, Thermo 580 B, QED Sample Pro bladder pump, teflon-lined tubing, LaMotte

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
PCBs	N	—	2x 1-L Amb	1115	DUP-1	MW-43
SVOCs	N	—	2x 1-L Amb	↓	↓	↓
VOCs	N	HCl	3x 40-mL VOA	↓	↓	↓
Metals (Filtered, Unfilt)	(Y, N)	HNO_3	2x 250-mL P/L	↓	↓	↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

Rev: October 2012

TRC

Low-flow Groundwater Field Data Record

Project: ARP- City of New Bedford	Project No.: 115098	Date/Time: 9/27/13	Sheet 1 of 1

TRC Personnel: J. Fiero

Well ID: MW-44

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		X

Sampling Equipment: _____

Flow-thru Cell Volume: 150 mL

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.3

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

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: ~11.8' 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)

Time	1210	1215	1220	1225	1230	1235	1240	1245	1250	1255
Temp. (C)	15.33	15.4	15.38	15.44	15.33	15.28	15.34	15.32	15.29	15.23
Conduct. (µmhos/cm)	0252	0248	0249	0248	0247	0249	0249	0249	0250	0250
DO (mg/l)	5.32	5.36	5.42	5.45	5.44	5.38	5.37	5.38	5.28	5.30
pH (Std. Units)	6.45	6.46	6.47	6.46	6.46	6.47	6.48	6.48	6.48	6.48
Eh/ORP (millivolts)	60.1	58	57	57.8	58.2	56	56	55.2	54.8	52.3
Turbidity (NTU)	20.1	20.0	20.6	17.4	16.0	14.9	13.8	14.5	14.6	14.7
Flow (ml/min)										
Depth To Water (ft)										

Time	1300	1305	1310	1315	1320	1325	
Temp. (C)	15.19	15.15	15.16	15.17	15.17		
Conduct. (µmhos/cm)	0250	0249	0248	0248	0247		
DO (mg/l)	5.33	5.33	5.34	5.34	5.35		
pH (Std. Units)	6.48	6.48	6.48	6.48	6.48		
Eh/ORP (millivolts)	53.6	55.0	55.8	56.2	56.7		
Turbidity (NTU)	14.6	14.8	14.7	14.8	14.9		
Flow (ml/min)							
Depth To Water (ft)							

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type	Purge	Sample
Peristaltic Pump	[ ]	[ ]
Submersible Pump	[ ]	[ ]
Bladder Pump	[X]	[X]
Other: _____	[ ]	[ ]

Comments: YSI 600 XL, Thermo 580 B, QED Sample Pro Bladder pump, teflon-lined tubing, Lalkotte

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
PCB	N	—	2x1-L Amb	1325	—	MW-44
SVOC	N	—	2x1-L Amb	↓	—	↓
VOC	N	HCl	3x40-mL VOA	↓	—	↓
Metals (Filtered, Unfilt.)	(Y,N)	HNO_3	2x250-mL Plas.	↓	—	↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____

TRC

Low-flow Groundwater Field Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
ARP-City of New Bedford	115058	9/27/13	

TRC Personnel: J. Fiero

Well ID: MW-45

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		X

Sampling Equipment: _____

Flow-thru Cell Volume: 150 mL

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: [X] 2 inch [ ] 4 inch [ ] 6 inch

Other: _____

WELL MATERIAL: [X] PVC [ ] SS [ ] _____

Well Depth 18.8 ft. [X] top of riser [ ] top of casing [ ] _____ [X] measured [ ] historical

Water Depth 11.47 ft.

LNAPL/DNAPL Depth = —

Thickness = —

LOW FLOW DATA

Depth of pump intake: _____

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 300 mL/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 300

Volume of water purged: ~1.3 Liters

FIELD WATER QUALITY MEASUREMENTS (record at appropriate intervals)

Time	1410	1413	1415	1420	1425	1430	1433	1435	1440	
Temp. (C)	17.18	17.33	17.50	18.3	18.8	18.7	18.3	18.4		
Conduct. (µmhos/cm)	0265	0266	0267	0269	0271	0272	0273	0272		
DO (mg/l)	1.81	1.77	1.73	1.74	1.89	1.80	1.68	1.61		
pH (Std. Units)	6.23	6.22	6.21	6.21	6.20	6.20	6.20	6.20		
Eh/ORP (millivolts)	-31	-29	-28	-26	-26.6	-26.4	-28.6	-28.16		
Turbidity (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Time								
Temp. (C)								
Conduct. (µmhos/cm)								
DO (mg/l)								
pH (Std. Units)								
Eh/ORP (millivolts)								
Turbidity (NTU)								
Flow (ml/min)								
Depth To Water (ft)								

Stabilization Criteria* (3 consecutive readings)

- Temperature: +/- 3 %
- Conduct. (µmhos/cm): +/- 3 %
- DO (mg/l): +/- 10 % (for values >0.5 mg/L)
- pH (Std. Units): +/- 0.1 SU
- Eh/ORP (millivolts): +/- 10 mV
- Turbidity (NTU): +/- 10 % (for values >5.0 NTUs)
- Drawdown: < 0.3 ft (can be greater as long as water level stabilizes above well screen)

Pump Type

	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: _____		

Comments: YSI 6600 XL, Thermo 580 B QED SamplePro bladder pump, teflon-lined tubing, LaMotte

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	QC	Sample #
PCB	N	—	2x1-L Amb.	1440	—	MW-45
SVOC	N	—	2x1-L Amb	↓	—	↓
VOC	N	HCl	3x40-mL VOA	↓	—	↓
Metals (Filtered, Unfilt.)	(Y,N)	HNO_3	2x250 mL Plastic	↓	—	↓

* From USEPA Region 1 Low-Stress (Low-Flow) SOP, January 19, 2010 (EQASOP-GW-001).

Signed: _____