



DATA SUMMARY REPORT

Transect "C" New Bedford, Massachusetts

Prepared for:

City of New Bedford
Department of Environmental Stewardship
133 William Street
New Bedford, Massachusetts 02740

Prepared by:

TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

August 2008

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	SUMMARY OF WORK.....	1
3.0	SUMMARY OF ANALYTICAL RESULTS	3
4.0	ANALYTICAL SUPPORT AND DATA VALIDATION, EVALUATION, AND MANAGEMENT	4
5.0	REFERENCES.....	4

TABLE

Table 1	Summary of Analytical Results for Soil Samples – June 2008 – Transect C, New Bedford, Massachusetts
---------	---

FIGURES

Figure 1	Site Location Map
Figure 2	Site Aerial Photograph
Figure 3	Analytical Results Summary Map

APPENDICES

Appendix A	Limitations
Appendix B	Soil Boring Logs
Appendix C	Sample Results from Laboratory Reports

1.0 INTRODUCTION

The purpose of this Data Summary Report is to summarize analytical results from soil sampling conducted by TRC Environmental Corporation (TRC) in June 2008 along the City of New Bedford (City) Right-of-Way (ROW) and municipal properties along Parker Street in New Bedford, Massachusetts (see Figures 1 and 2). Work performed by TRC was conducted in accordance with a TRC-prepared scope of work (Work Order No. 14) approved by City on June 3, 2008. TRC prepared Work Order No. 14 to describe the scope of work and cost estimate for conducting an environmental investigation to delineate areas potentially impacted by contamination from the former City Burn Dump including the New Bedford High School (NBHS) property.

This report is subject to the limitations included in Appendix A. Appendix B provides soil boring logs. Appendix C provides photocopies of sample results from laboratory reports.

2.0 SUMMARY OF WORK

The environmental investigation consisted of direct push soil borings using a truck-mounted direct push machine to sample soil and to observe subsurface soil conditions. Drilling services and equipment were provided by New England Geotech, LLC of Jamestown, Rhode Island. Copies of associated soil boring logs prepared by TRC's field geologist/engineer are provided in Appendix B. Groundwater monitoring was not included in the scope at this time given the lack of evidence of significant impact to groundwater from former City Burn Dump related contamination (BETA, 2006a). Soil sampling was the primary means of identifying and delineating burn dump contamination under the approved scope of work with the City.

The investigative approach was intended to evaluate the presence or absence of fill, the vertical extent of contamination, and the potential presence of contaminants of concern in soil and fill material that may be present based on documentation available to TRC and past sampling in the area. Borings were advanced and samples were collected until native overburden was encountered unless refusal was encountered first. Where native material was submitted for laboratory analysis, 2 samples of native material were typically collected in borings selected to characterize the native horizon. The lower native sample was retained for analysis contingent upon the results of the upper native horizon analysis in an attempt to delineate the vertical extent of contamination exceeding applicable standards, if present. The contingent native material was not analyzed if the native material interval above it was found to be uncontaminated (below cleanup criteria) based on laboratory analysis or as directed by the TRC Licensed Site Professional (LSP). At locations along this route, the June 2008 data collected by TRC supplement data collected previously on behalf of the City by the BETA Group, Incorporated of Norwood, Massachusetts (see BETA, 2006b and c).

Figure 3 illustrates the locations investigated by TRC along Transect "C" using the above-described techniques. The drilling locations were surveyed by Land Planning, Incorporated of Hanson, Massachusetts following TRC's sampling activities. The locations are plotted on an aerial photograph obtained from the Massachusetts Geographic Information System and dated April 2005.

TRC conducted field screening of soil samples consisting of visual and olfactory observations, jar headspace readings using an appropriately calibrated photoionization detector (PID), and professional judgment, consistent with TRC Standard Operating Procedures (SOPs) and general industry practice. TRC employed the Massachusetts Department of Environmental Protection (MassDEP) jar headspace technique to screen for the presence of volatile organic compounds (VOCs) in soil. TRC also evaluated and logged the geologic character of the soil samples consistent with the Burmister (1958) method. A subset of soil samples was subjected to chemical analysis at an off-site environmental laboratory based on professional judgment consistent with the goals of the approved scope of work. The following table summarizes soil samples collected by TRC from Transect "C" for laboratory analysis.

Summary of Investigation Activities – Transect C – June 2008					
Location	Soil Borings	Number of Soil Samples Submitted for Laboratory Analysis	Analyses ¹		
			PCBs ²	PAHs ³	MCP Metals/Hg ⁴
Transect C	8	22	22	4	6

Notes:

¹Does not include quality control (QC) samples.

²Polychlorinated biphenyls (PCBs) as Aroclors by SW-846 Method 8082; one sample additionally submitted for PCB Homolog analysis

³Polyaromatic hydrocarbons (PAHs) by SW-846 Method 8270C.

⁴Massachusetts Contingency Plan (MCP) Metals/Hg - antimony, arsenic, barium, beryllium, cadmium, chromium, lead, nickel, selenium, silver, thallium, vanadium, zinc and mercury by SW-846 Methods 6010B/7471A.

Soil samples for polychlorinated biphenyl (PCB) Aroclor and homolog analyses were submitted to Northeast Analytical Laboratories (NEA) of Schenectady, New York. Soil samples for Massachusetts Contingency Plan (MCP) metals and mercury and polyaromatic hydrocarbon (PAH) analyses were submitted to Con-Test Analytical Laboratory of East Longmeadow, Massachusetts. All samples were submitted under chain-of-custody.

As noted below, TRC advanced three (3) soil borings along Transect C on June 11, 2008 using a truck-mounted Geoprobe®. These three soil borings were identified as SB-201 through 203. Five (5) soil borings were also advanced along the route on June 16, 2008 using a truck-mounted Geoprobe®. These five soil borings were identified as SB-204 through 206, 208 and 209. Soil boring SB-207 was not advanced due to utility conflicts. Borings were terminated in native material unless refusal was encountered. Soil boring details are summarized below and in the soil boring logs provided in Appendix B:

Soil Boring	Date Advanced	Total Depth (ft bgs)	Depths Submitted for Laboratory Analysis* (ft bgs)	Drill Rig
SB-201	6/11/2008	12	1, 4, 9	Model 5400 Truck Rig
SB-202	6/11/2008	12	1, 4, (10)	Model 5400 Truck Rig
SB-203	6/11/2008	12	1, 4, 10	Model 5400 Truck Rig

Soil Boring	Date Advanced	Total Depth (ft bgs)	Depths Submitted for Laboratory Analysis* (ft bgs)	Drill Rig
SB-204	6/16/2008	12	2, 4, (10)	Model 5400 Truck Rig
SB-205	6/16/2008	12	1, 4, 10	Model 5400 Truck Rig
SB-206	6/16/2008	12	1, 4, 9	Model 5400 Truck Rig
SB-208	6/16/2008	12	1.5, 4, 9	Model 5400 Truck Rig
SB-209	6/16/2008	12	1.5, 4, 10	Model 5400 Truck Rig

Notes:

* - Depth in parentheses submitted to laboratory but placed on hold for contingency. Analyses of these samples were not required.

bgs - below ground surface

3.0 SUMMARY OF ANALYTICAL RESULTS

The results of laboratory analysis of soil samples collected from Transect "C" in June 2008 are summarized in Table 1 (attached). Table 1 includes regulatory comparison criteria consisting of the following:

- Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Method 1 soil standards for S-1 and S-2 soil in GW-2 and GW-3 groundwater classification areas;
- MCP Reportable Concentrations (RCs) for S-1 soils; and
- United States Environmental Protection Agency (EPA) Toxic Substances Control Act (TSCA) unrestricted use soil standard for PCBs.

As shown in Table 1, PAHs, PCBs, and metals were detected in soil along Transect "C". *Seven contaminants were detected in soil in excess of regulatory comparison criteria, which are summarized below and highlighted in Table 1.*

Summary of Soil Contaminants in Excess of Regulatory Criteria – Transect C									
Contaminant	Sample I.D.	Sample Depth (feet)	Concentration (mg/kg)	Regulatory Criteria for Soil					TSCA PCB
				Massachusetts Contingency Plan					
				S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	
Benzo(a)anthracene	SB-201	4	15.5	7	7	40	40	7	N/A
Benzo(a)pyrene	SB-201	4	16.3	2	2	4	4	2	N/A
Benzo(a)pyrene	SB-205	4	2.90	2	2	4	4	2	N/A
Benzo(b)fluoranthene	SB-201	4	22.1	7	7	40	40	7	N/A
Dibenz(a,h)anthracene	SB-201	4	2.17	0.7	0.7	4	4	0.7	N/A
Indeno(1,2,3-cd)pyrene	SB-201	4	11.0	7	7	40	40	7	N/A
Arsenic	SB-201	4	20.9	20	20	20	20	20	N/A
Arsenic	SB-208	4	24.3	20	20	20	20	20	N/A
Lead	SB-201	4	802	300	300	300	300	300	N/A
Lead	SB-202	4	943	300	300	300	300	300	N/A
Lead	SB-203	4	359	300	300	300	300	300	N/A
Lead	SB-208	4	771	300	300	300	300	300	N/A
Lead	SB-209	4	315	300	300	300	300	300	N/A

Notes:

N/A – Not Applicable mg/kg – milligrams per kilogram

Detected results are also summarized on Figure 3 for total PCBs, arsenic, cadmium, chromium, nickel, lead, and benzo(a)pyrene [BAP], which were determined to be the Contaminants of Concern (COCs) based on prior environmental investigations conducted at the Keith Middle School (KMS), NBHS, and certain residential locations based on work conducted by TRC and BETA.

4.0 ANALYTICAL SUPPORT AND DATA VALIDATION, EVALUATION, AND MANAGEMENT

TRC's Lead Chemist coordinated, tracked, and oversaw sample analyses and validation of data produced. TRC validated PCB Aroclor soil data from June 2008 in accordance with relevant EPA guidance to Tier II.

Metals, PAH, and PCB homologue soil analyses were evaluated for usability consistent with the Massachusetts Department of Environmental Protection (MassDEP) Compendium of Analytical Methods (CAM).

Copies of sample results from laboratory reports are presented in Appendix C.

TRC's data management team incorporated electronic data deliverables (EDDs) from the analytical laboratory into TRC's proprietary Lowell Information System (LIS) database, and produced standardized analytical data tables with comparisons to relevant regulatory cleanup standards and other applicable criteria.

5.0 REFERENCES

- BETA, 2006a. *Final Completion and Inspection Report, Volume 1 of 8. McCoy Field/Keith Middle School, 225 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford, 133 William Street, New Bedford, Massachusetts 02740. Prepared by: BETA Group, Incorporated, Norwood, Massachusetts. December 2006.

- BETA, 2006b. *Summary of Analytical Data – New Bedford High School, New Bedford, Massachusetts.* Prepared for: City of New Bedford, 133 William Street, New Bedford, Massachusetts. Prepared by: BETA Group, Incorporated, Norwood, Massachusetts. June 9, 2006.

- BETA 2006c *Summary of Analytical Data – Walsh Field, New Bedford, Massachusetts.* Prepared for: City of New Bedford, 133 William Street, New Bedford Massachusetts. Prepared by: BETA Group, Incorporated, Norwood, Massachusetts. June 9, 2006

Burmister, 1958. *Suggested Methods of Tests for Identification of Soils*. In: Procedures for Testing Soils. American Society for Testing and Materials, Philadelphia, PA, 1958.

TABLES

Table 1
Summary of Analytical Results for Soil Samples - June 2008
Transect C
New Bedford, Massachusetts

Notes:

All units in mg/kg unless otherwise specified.

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

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

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

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards.

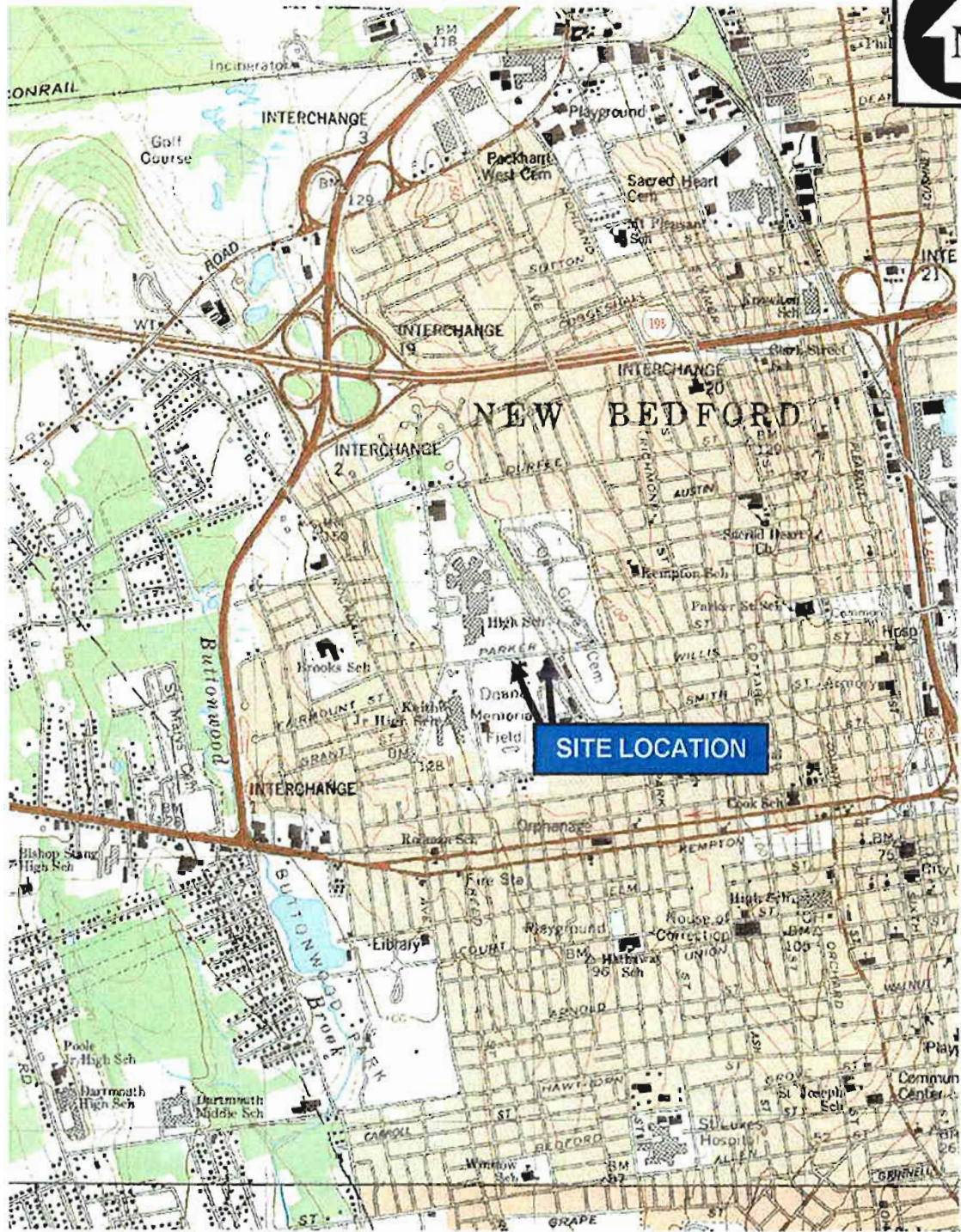
PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

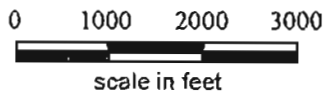
RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

FIGURES



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' X 15' USGS
 TOPOGRAPHIC QUADRANGLES: NEW BEDFORD NORTH, MA, 1979;
 NEW BEDFORD SOUTH, MA 1977



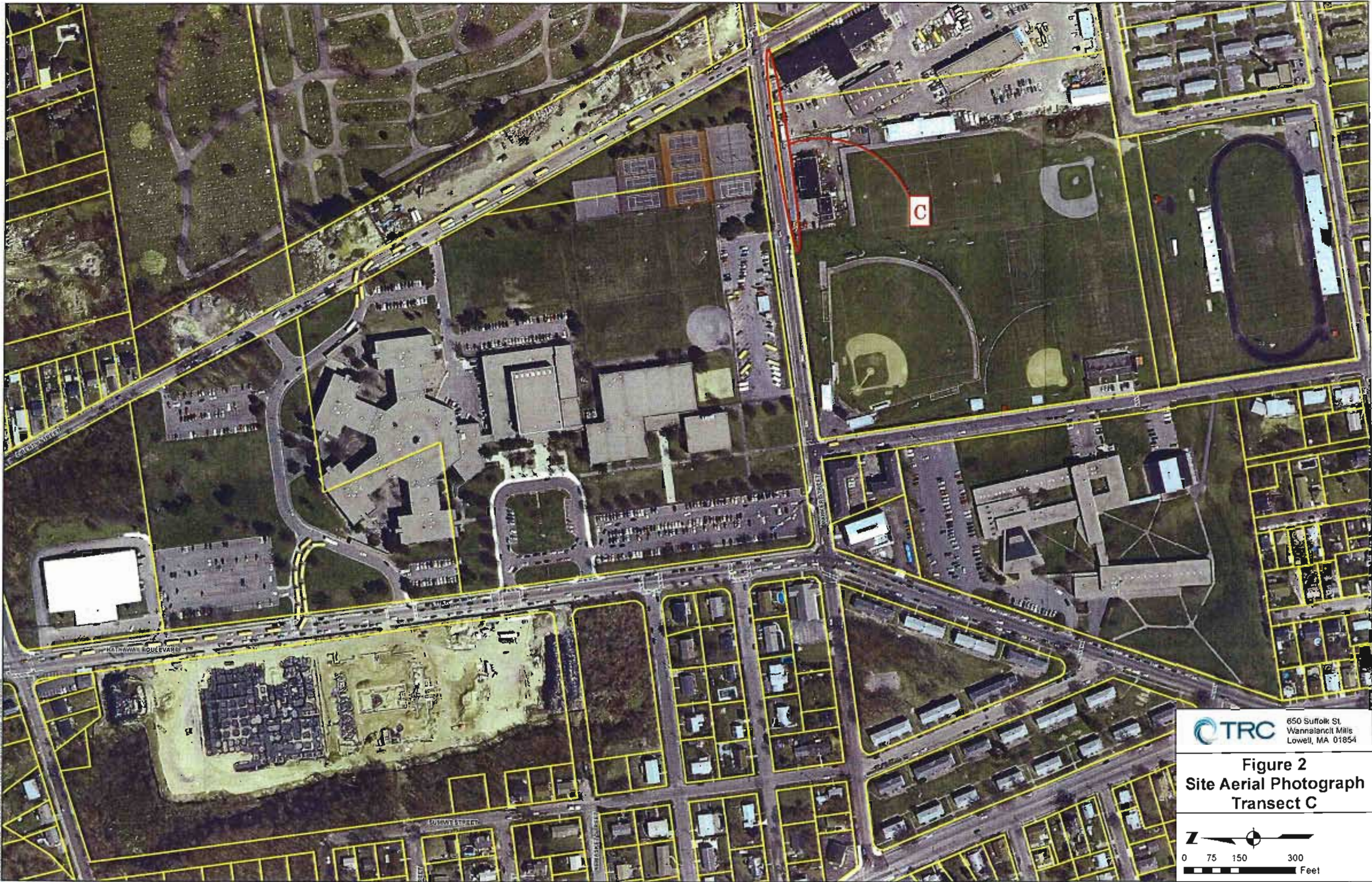
TRANSECT C
 NEW BEDFORD, MASSACHUSETTS

SITE LOCATION MAP

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

FIGURE
 1

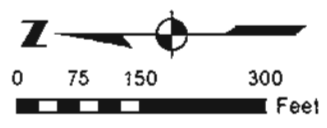
Drawn: HWB SCALE: AS SHOWN
 Checked: RN Date: AUG. 2008



P:\Projects\026 2017\1634\SP\Site\Transects_090208.mxd

 650 Suffolk St.
Wannalancit Mills
Lowell, MA 01854

Figure 2
Site Aerial Photograph
Transect C



FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Soil_Results_Transsect_C.DWG



SB-200 06/16/08 Constituent	1.50	4.00	10.00
BAP	NA	NA	NA
Total PCBs	0.0562 U	0.0603 U	0.0552 U
Arsenic	NA	8.52	NA
Cadmium	NA	0.51	NA
Chromium	NA	14.3	NA
Lead	NA	315	NA
Nickel	NA	11.8	NA

SB-208 06/16/08 Constituent	1.50	4.00	9.00
BAP	NA	0.219 U	NA
Total PCBs	0.0552 U	0.0733 U	0.0578 U
Arsenic	NA	24.3	NA
Cadmium	NA	0.86	NA
Chromium	NA	17.7	NA
Lead	NA	771	NA
Nickel	NA	17.8	NA

SB-206 06/16/08 Constituent	1.00	4.00	9.00
BAP	NA	NA	NA
Total PCBs	0.109 J	0.0602 U	0.0605 U
Arsenic	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Lead	NA	NA	NA
Nickel	NA	NA	NA

SB-203 06/11/08 Constituent	1.00	4.00	10.00
BAP	NA	0.642	NA
Total PCBs	0.0500 U	0.0594 U	0.0579 U
Arsenic	NA	10.6	NA
Cadmium	NA	0.53	NA
Chromium	NA	16.6	NA
Lead	NA	358	NA
Nickel	NA	15.6	NA

SB-202 06/11/08 Constituent	1.00	4.00
BAP	NA	NA
Total PCBs	0.561 J	0.0548 U
Arsenic	NA	10.2
Cadmium	NA	0.8
Chromium	NA	7.84
Lead	NA	943
Nickel	NA	7.62

SB-205 06/16/08 Constituent	1.00	4.00	10.00
BAP	NA	2.9	NA
Total PCBs	0.285 J	0.0569 U	0.0582 U
Arsenic	NA	5.64	NA
Cadmium	NA	0.59	NA
Chromium	NA	10.5	NA
Lead	NA	169	NA
Nickel	NA	9.45	NA

SB-204 06/16/08 Constituent	2.00	4.00	DUP
BAP	NA	NA	NA
Total PCBs	0.0590 U	0.0640 U	0.0638 U
Arsenic	NA	NA	NA
Cadmium	NA	NA	NA
Chromium	NA	NA	NA
Lead	NA	NA	NA
Nickel	NA	NA	NA

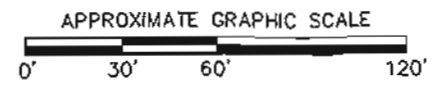
SB-201 06/11/08 Constituent	1.00	4.00	9.00
BAP	NA	16.3	NA
Total PCBs	0.662 J	0.0664 U	0.0595 U
Arsenic	NA	20.9	NA
Cadmium	NA	1.37	NA
Chromium	NA	15.8	NA
Lead	NA	802	NA
Nickel	NA	19.8	NA

SCHOOL DEPT MAINTENANCE FACILITY

Contaminant	S-1/GRV-2	S-1/GRV-3	S-2/GRV-2	S-2/GRV-3	RCS-1	TSCA
Names						
<i>Benzo(a)pyrene (BAP)</i>	2	2	4	4	2	N/A
<i>Total PCBs</i>	2	2	3	3	2	1
<i>Arsenic</i>	20	20	20	20	20	N/A
<i>Cadmium</i>	2	2	30	30	2	N/A
<i>Chromium</i>	30	30	200	200	30	N/A
<i>Lead</i>	300	300	300	300	300	N/A
<i>Nickel</i>	20	20	700	700	20	N/A

NOTES:
 ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
 MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
 J - ESTIMATED VALUE.
 NA - SAMPLE NOT ANALYZED FOR THE LISTED ANALYTE
 N/A - NOT APPLICABLE.
 PCBs - POLYCHLORINATED BIPHENYLS.
 RCS - REPORTABLE CONCENTRATIONS.
 TSCA - TOXIC SUBSTANCES CONTROL ACT.
 U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
 VALUES SHOWN IN PEACH BACKGROUND EXCEED ONE OR MORE OF THE LISTED MASSDEP METHOD 1 STANDARDS.

SAMPLE LOCATION	SB-202	06/11/08	Constituent	1.00	4.00	SAMPLE DEPTH IN FEET
SAMPLE DATE						
CONTAMINANT NAME / ABBREVIATION	BAP	NA	NA			
	Total PCBs	0.561 J	0.0548 U			
	Arsenic	NA	10.2			
	Cadmium	NA	0.8			
	Chromium	NA	7.84			
	Lead	NA	943			
	Nickel	NA	7.62			



**TRANSECT C
NEW BEDFORD, MASSACHUSETTS**

**ANALYTICAL RESULTS
SUMMARY MAP**

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

**FIGURE
3**

DRAWN BY: PZ	DATE: JULY 2008
CHECKED BY: DMS	

APPENDIX A
LIMITATIONS

1. TRC's study was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and TRC observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. TRC's findings and conclusions must be considered not as scientific certainties, but rather as our professional opinion concerning the significance of the limited data gathered during the course of the study. No other warranty, express or implied is made. Specifically, TRC does not and cannot represent that the Site contains no hazardous material, oil, or other latent conditions beyond that observed by TRC during its study.
2. This study and report have been prepared on behalf of and for the exclusive use of the City of New Bedford (Client). This report and the findings contained herein shall not otherwise, in whole or in part, be disseminated or conveyed to any other party, or used by any other party in whole or in part, without the prior written consent of TRC.
3. The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedure beyond the scope of described services or the time and budgetary assumptions set forth in the Scope of Work.
4. The information contained in this report is based in part upon the data obtained from a limited number of environmental media samples obtained from widely spread subsurface explorations. The nature and extent of variations between those explorations may not become evident until further exploration.
5. The generalized soil profile described in the report is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more gradual. For specific information, refer to the boring logs.
6. The information contained in this report is based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. Moreover, it should be noted that variations in the types and concentrations of contaminants may occur due to past disposal practices, the passage of time, and other factors.
7. Chemical analyses have been performed for specific parameters during the course of this Site assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study could be present at the Site.

APPENDIX B

SOIL BORING LOGS



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-201	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Approximately 60 feet south on Liberty from Parker within ROW		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/11/08	Date Finish: 6/11/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/26"	12" Brown Silty SAND and TOP SOIL (2" of roots and grass at surface)		OS = bkg HS = bkg
			6" Pulverized GRAVEL		
2			8" Tan to dark brown FILL (ash and slag) and fine to medium sand		
3					
4	S-2	48"/30"	2" Tan to dark brown FILL (ash and slag) and fine to medium sand		OS = bkg HS = bkg
5			28" Dark brown, organic PEAT with root matter, moist		
6					
7					
8	S-3	48"/30"	4" Dark brown organic PEAT with root matter, moist		OS = bkg HS = bkg
9			6" Peat stained gray-brown fine to medium SAND, some silt		
10			20" Gray fine to medium SAND, some silt		
11					
12			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m. dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-201-1 @ 1200 for PCBs 2) SB-201-4 @ 1210 for PCBs, Homologs, Metals & PAHs 3) SB-201-9 @ 1215 for PCBs 4) 5)
--	--	---	---



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-202 Well No. NA	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Southwest corner of Liberty and Parker within ROW		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/11/08	Date Finish: 6/11/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/38"	8" Organic TOP SOIL with silt, grass and roots (top 2")		OS = bkg HS = bkg
2			18" Brown mottled tan fine to coarse SAND, some silt, trace fine gravel		
3			6" Tan fine to medium SAND, trace fine gravel		
4			8" Ashy FILL, some fine to coarse sand, trace slag, coal and glass		
5	S-2	48"/38"	2" Ashy FILL, some fine to coarse sand, trace slag, coal and glass		OS = bkg HS = bkg
6			36" Organic PEAT with increasing root materials with depth, moist		
7					
8	S-3	48"/38"	10" Organic PEAT with root material, moist		OS = bkg HS = bkg
9			10" Peat stained fine to medium SAND, some silt		
10			20" Gray fine to medium SAND, some silt, saturated		
11					
12			End of Boring 12 ft.		
13					

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-202-1 @ 1125 for PCBs 2) SB-201-4 @ 1130 for PCB, & Metals 3) SB-202-10 @ 1145 for PCBs (HOLD) 4) 5)
--	---	---	---



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-203 Well No. NA	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Northwest corner of DPF Building within ROW		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/11/08	Date Finish: 6/11/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/34"	2" ASPHALT		OS = bkg HS = bkg
2			10" Gray fine to medium SAND, trace fine gravel		
3			8" Brown mottled fine to coarse SAND, some silt		
4			14" Brown to blackish FILL (possible ash, glass, slag and coal)		
5	S-2	48"/38"	2" Brown to blackish FILL (possible ash, glass, slag and coal)		OS = bkg HS = bkg
6			36" Organic PEAT with prevalent root matter near 8-feet, moist		
7					
8				▼	
9	S-3	48"/32"	4" Organic PEAT with root matter, moist		OS = bkg HS = bkg
10			6" Brown (peat stained) fine to medium SAND, some silt		
11			22" Gray fine to medium SAND, some silt, saturated		
12					
13			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m. dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-203-1 @ 1100 for PCBs 2) SB-203-4 @ 1110 for PCBs, Metals & PAHs (plus MS/MSD/Duplicate) 3) SB-203-10 @ 1115 for PCBs 4) 5)
---	---	---	--



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-204	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Northeast corner at fence of DPF Yard within ROW		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth: NA	Sampler Diameter: 2"	Riscr Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/16/08	Date Finish: 6/16/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/32"	4" ASPHALT, some gravel sub-base 6" Weathered ASPHALT 2" GRAVEL sub-base		OS = bkg HS = bkg
2			6" FILL (brick and ash), dark brown to black fine to coarse sand		
3			8" Tan fine to medium SAND, trace fine gravel		
4			6" Dark brown to gray FILL (ash, some slag and brick), some fine to coarse sand		
5	S-2	48"/36"	4" Dark brown to gray FILL (ash, some slag and brick), some fine to coarse sand		OS = bkg HS = bkg
6			32" Organic PEAT with increased root content near 8-feet, wet		
7					
8					
9	S-3	48"/38"	4" Organic PEAT with root matter, wet		OS = bkg HS = bkg
10			8" Dark brown SILT and CLAY, peat stained		
11			26" Gray fine SAND, some silt		
12					
13			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v loose 4-10 loose 10-30 m dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-204-2 @ 0850 for PCBs 2) SB-204-4 @ 0900 for PCBs 3) SB-204-D @ 0800 (Duplicate of SB-204-4 for PCBs) 4) SB-204-10 @ 0910 for PCBs (HOLD) 5)
---	--	---	---



Client/Project
City of New Bedford

Project No.
115058

Boring No. SB-205
Well No. NA

Sheet
1 of 1

Geoprobe Soil Log

Soil Gas Screening Number and AOC Location:
Mid-point of City Sewer Yard DPF (west of gate)

TRC Geologist
Charles Foster

Geoprobe Contractor/Foreman
NEG / Bill Meadows

Geoprobe Make/Model
Model 5400 Truck Rig

Sampling Description
Continuous Macro-cores

Sampler Description:
48" Macrocore

Sampling Method
Continuous

Coordinates
X= Y=

Temporary piezometer or screen point: NA

Auger Diameter (if used): NA

Ref. El.:

Depth NA

Sampler Diameter: 2"

Riser Stick-up: NA

Screen Length/Type: NA

Water Table Depth: ~8 feet

Surface Elevation:

Riser Length/Type: NA

Total Depth: 12 feet

Date Start: 6/16/08

Date Finish: 6/16/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/40"	6" ASPHALT, trace gravel sub-base		OS = bkg HS = bkg
			16" Brown fine to coarse SAND, some fine gravel, mottled colors		
2			4" White Pulverized GRAVEL		
3			8" Brown to gray fine to coarse SAND and FILL (ash, slag, coal fragments and brick)		
4	S-2	48"/38"	4" Brown to gray fine to coarse SAND and FILL (ash, slag, coal fragments and brick)		OS = bkg HS = bkg
5			34" Dark Brown PEAT with increased root matter near the bottom of sleeve, moist		
6					
7					
8	S-3	48"/38"	10" Dark brown SILT and CLAY, peat stained, moist to wet		OS = bkg HS = bkg
9			28" Gray fine SAND, some silt, saturated		
10					
11					
12			End of Boring 12 ft.		
13					

<p>Granular Soils</p> <p>Blows/ft Density</p> <p>0-4 v. loose</p> <p>4-10 loose</p> <p>10-30 m. dense</p> <p>30-50 dense</p> <p>>50 v. dense</p> <p>Proportions</p> <p>trace 0-10% some 20-35%</p> <p>liale 10-20% and 35-50%</p>	<p>Cohesive Soils</p> <p>Blows/ft Density</p> <p>>2 v. soft</p> <p>2-4 soft</p> <p>4-8 m. stiff</p> <p>8-15 stiff</p> <p>15-30 v. stiff</p> <p>>30 hard</p>	<p>Grain Size (USCS)</p> <p>silt/clay <0.08 mm</p> <p>f. sand 0.43-0.08 mm</p> <p>m. sand 2.0-0.43 mm</p> <p>c. sand 4.8-2.0 mm</p> <p>f. gravel 19-4.8 mm</p> <p>c. gravel 75-19 mm</p> <p>cobble 300-75 mm</p> <p>boulder >300 mm</p>	<p>Notes/Sample details</p> <p>1) SB-205-1 @ 0920 for PCBs</p> <p>2) SB-205-4 @ 0925 for PCBs, Metals & PAHs</p> <p>3) SB-205-10 @ 0935 for PCBs (HOLD: Metals & PAHs)</p> <p>4)</p> <p>5)</p>
---	--	--	---



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-206	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Northeast corner of 256 Parker Street (NBHS maintenance yard)		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/16/08	Date Finish: 6/16/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/40"	6" ASPHALT with gray gravel sub-base		OS = bkg HS = bkg
2			26" Brown to tan fine to coarse SAND, some fine gravel, trace fill material (slag, ash, brick and coal)		
3			8" Rusty to tan and gray FILL (ash, slag and coal), some fine to coarse sand and silt		
4					
5	S-2	48"/42"	6" Rusty to tan and gray FILL (ash, slag and coal), some fine to coarse sand and silt		OS = bkg HS = bkg
6			36" Dark Brown organic PEAT with increasing root matter with depth, moist		
7					
8	S-3	48"/46"	8" Dark brown SILT and CLAY, peat stained, wet		OS = bkg HS = bkg
9					
10			38" Gray fine to medium SAND, some silt, saturated		
11					
12					
13			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m. dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-206-1 @ 1035 for PCBs 2) SB-206-4 @ 1040 for PCBs 3) SB-206-9 @ 1050 for PCBs 4) 5)
--	---	---	--



Client/Project
City of New Bedford

Project No.
115058

Boring No. SB-208
Well No. NA

Sheet
1 of 1

Geoprobe Soil Log

Soil Gas Screening Number and AOC Location:
Center of 256 Parker (NBHS maintenance yard) east of entrance gate

TRC Geologist
Charles Foster

Geoprobe Contractor/Foreman
NEG / Bill Meadows

Geoprobe Make/Model
Model 5400 Truck Rig

Sampling Description
Continuous Macro-cores

Sampler Description:
48" Macrocore

Sampling Method
Continuous

Coordinates
X= Y=

Temporary piezometer or screen point: NA

Auger Diameter (if used): NA

Ref. El.:

Depth NA

Sampler Diameter: 2"

Riser Stick-up: NA

Screen Length/Type: NA

Water Table Depth: ~8 feet

Surface Elevation:

Riser Length/Type: NA

Total Depth: 12 feet

Date Start: 6/16/08 Date Finish: 6/16/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/36"	4" ASPHALT		OS = bkg HS = bkg
			2" Gray sub-base fine to coarse SAND and GRAVEL		
			4" Tan fine to coarse SAND		
			8" Dark brown fine SAND, some silt and fill (brick, coal, slag and ash)		
2			10" Brown fine to coarse SAND and fine gravel		
			8" Dark brown to tan FILL (ash, some coal, trace slag)		
3			2" Dark brown to tan FILL (ash, some coal, trace slag)		OS = bkg HS = bkg
			42" Dark brown PEAT with increased in root material at depth		
4	S-2	48"/46"	2" Gray fine SAND, some silt, moist		
5					
6					
7					
8	S-3	48"/40"	40" Gray fine to medium SAND, some silt, saturated		OS = bkg HS = bkg
9					
10					
11					
12					
13			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m. dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%		Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard		Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm		Notes/Sample details 1) SB-208-1.5 @ 1100 for PCBs 2) SB-208-4 @ 1110 for PCBs, Metals & PAHs 3) SB-208-9 @ 1115 for PCBs (HOLD: Metals & PAHs) 4) 5)	
--	--	--	--	---	--	---	--



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-209	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Northwest Corner of 256 Parker (NBHS maintenance yard)		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/16/08	Date Finish: 6/16/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/38"	6" ASPHALT		OS = bkg HS = bkg
			4" Gray sub-base GRAVEL		
2			6" FILL material (brick and ash with slag)		
3			12" Tan fine to coarse SAND, some fine gravel		
4			10" Black to tan FILL (ash, slag and coal), some fine to coarse sand in fill matrix		OS = bkg HS = bkg
5	S-2	48"/42"	2" Black to tan FILL (ash, slag and coal), some fine to coarse sand in fill matrix		
6			40" Dark brown PEAT and organic SILT, increased root material at depth, moist		
7					
8					OS = bkg HS = bkg
9	S-3	48"/46"	10" Dark brown SILT and CLAY, wet		
10			36" Gray fine to medium SAND, some silt, saturated		
11					
12					
13			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m. dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% finite 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-209-1.5 @ 1130 for PCBs 2) SB-209-4 @ 1135 for PCBs & Metals 3) SB-209-10 @ 1145 for PCBs (HOLD: Metals) 4) 5)
---	---	---	---

APPENDIX C

SAMPLE RESULTS FROM LABORATORY REPORTS

DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

6/23/2008
 Page 10 of 14

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 6/12/2008
 Field Sample #: SB-201-4
 Sample ID : 08B21236
 Sample Matrix: SOIL

LIMS-BAT # LIMIT-16760
 Job Number 115058

‡Sampled : 6/11/2008
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	06/19/08	FD	0.225		
Acenaphthylene	mg/kg dry wt	1.87	06/19/08	FD	0.225		
Anthracene	mg/kg dry wt	2.56	06/19/08	FD	0.225		
Benzo(a)anthracene	mg/kg dry wt	15.5	06/19/08	FD	0.225		
Benzo(a)pyrene	mg/kg dry wt	16.3	06/19/08	FD	0.225		
Benzo(b)fluoranthene	mg/kg dry wt	22.1	06/19/08	FD	0.225		
Benzo(g,h,i)perylene	mg/kg dry wt	8.16	06/19/08	FD	0.225		
Benzo(k)fluoranthene	mg/kg dry wt	8.36	06/19/08	FD	0.225		
Chrysene	mg/kg dry wt	16.2	06/19/08	FD	0.225		
Dibenz(a,h)anthracene	mg/kg dry wt	2.17	06/19/08	FD	0.225		
Fluoranthene	mg/kg dry wt	27.6	06/19/08	FD	0.225		
Fluorene	mg/kg dry wt	0.513	06/19/08	FD	0.225		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	11.0	06/19/08	FD	0.225		
2-Methylnaphthalene	mg/kg dry wt	0.497	06/19/08	FD	0.225		
Naphthalene	mg/kg dry wt	2.49	06/19/08	FD	0.225		
Phenanthrene	mg/kg dry wt	9.61	06/19/08	FD	0.225		
Pyrene	mg/kg dry wt	19.7	06/19/08	FD	0.225		
Extraction Date 8270		6/13/2008	06/19/08	FD			

Analytical Method:
 SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/23/2008
Page 11 of 14

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/12/2008
Field Sample #: SB-203-4 QC
Sample ID: 08B21238

LIMS-BAT #: LIMIT-16760
Job Number: 115058

‡Sampled: 6/11/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Acenaphthylene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Anthracene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Benzo(a)anthracene	mg/kg dry wt	0.598	06/19/08	FD	0.340			
Benzo(a)pyrene	mg/kg dry wt	0.642	06/19/08	FD	0.340			
Benzo(b)fluoranthene	mg/kg dry wt	0.973	06/19/08	FD	0.340			
Benzo(g,h,i)perylene	mg/kg dry wt	0.368	06/19/08	FD	0.340			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Chrysene	mg/kg dry wt	0.856	06/19/08	FD	0.340			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Fluoranthene	mg/kg dry wt	1.11	06/19/08	FD	0.340			
Fluorene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.469	06/19/08	FD	0.340			
2-Methylnaphthalene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Naphthalene	mg/kg dry wt	ND	06/19/08	FD	0.340			
Phenanthrene	mg/kg dry wt	0.524	06/19/08	FD	0.340			
Pyrene	mg/kg dry wt	0.947	06/19/08	FD	0.340			
Extraction Date 8270		6/13/2008	06/19/08	FD				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008
Page 17 of 32

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-205-4

LIMS-BAT # LIMIT-16916
Job Number. 115058(EDGEOFF)

Sample ID : 08B21992 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/24/08	BGL	0.207			
Acenaphthylene	mg/kg dry wt	ND	06/24/08	BGL	0.207			
Anthracene	mg/kg dry wt	0.688	06/24/08	BGL	0.207			
Benzo(a)anthracene	mg/kg dry wt	3.20	06/24/08	BGL	0.207			
Benzo(a)pyrene	mg/kg dry wt	2.90	06/24/08	BGL	0.207			
Benzo(b)fluoranthene	mg/kg dry wt	3.44	06/24/08	BGL	0.207			
Benzo(g,h,i)perylene	mg/kg dry wt	1.08	06/24/08	BGL	0.207			
Benzo(k)fluoranthene	mg/kg dry wt	1.36	06/24/08	BGL	0.207			
Chrysene	mg/kg dry wt	3.19	06/24/08	BGL	0.207			
Dibenz(a,h)anthracene	mg/kg dry wt	0.325	06/24/08	BGL	0.207			
Fluoranthene	mg/kg dry wt	4.33	06/24/08	BGL	0.207			
Fluorene	mg/kg dry wt	ND	06/24/08	BGL	0.207			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.52	06/24/08	BGL	0.207			
2-Methylnaphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.207			
Naphthalene	mg/kg dry wt	0.261	06/24/08	BGL	0.207			
Phenanthrene	mg/kg dry wt	2.00	06/24/08	BGL	0.207			
Pyrene	mg/kg dry wt	4.74	06/24/08	BGL	0.207			
Extraction Date 8270		6/19/2008	06/24/08	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008
Page 18 of 32

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample #: SB-208-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDG)OFF

Sample ID : 08B21993 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Acenaphthylene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Benzo(a)anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Benzo(a)pyrene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Chrysene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Fluoranthene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Fluorene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
2-Methylnaphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Naphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Phenanthrene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Pyrene	mg/kg dry wt	ND	06/24/08	BGL	0.219			
Extraction Date 8270		6/19/2008	06/24/08	BGL				

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PLNTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-01</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-201-1</u>
Sample wt(Dry)/vol: <u>9.1877 g</u>	Lab Sample ID: <u>AL09653</u>
Percent Moisture: <u>13.9</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-8

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-8

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0544	U
1	11104-28-2	Aroclor 1221	0.0544	U
1	11141-16-5	Aroclor 1232	0.0544	U
1	53469-21-9	Aroclor 1242	0.0544	U
1	12672-29-6	Aroclor 1248	0.0544	U
1	11097-69-1	Aroclor 1254	0.0544	U
1	11096-82-5	Aroclor 1260	0.662	AG

Laboratory Qualifiers:

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-02</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-201-4</u>
Sample wt(Dry)/vol: <u>7.5322 g</u>	Lab Sample ID: <u>AL09654</u>
Percent Moisture: <u>26.9</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-9

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-9

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0664	U
1	11104-28-2	Aroclor 1221	0.0664	U
1	11141-16-5	Aroclor 1232	0.0664	U
1	53469-21-9	Aroclor 1242	0.0664	U
1	12672-29-6	Aroclor 1248	0.0664	U
1	11097-69-1	Aroclor 1254	0.0664	U
1	11096-82-5	Aroclor 1260	0.0664	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-03</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-201-9</u>
Sample wt(Dry)/vol: <u>8.4067 g</u>	Lab Sample ID: <u>AL09655</u>
Percent Moisture: <u>18.5</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-10

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-10

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0595	U
1	11104-28-2	Aroclor 1221	0.0595	U
1	11141-16-5	Aroclor 1232	0.0595	U
1	53469-21-9	Aroclor 1242	0.0595	U
1	12672-29-6	Aroclor 1248	0.0595	U
1	11097-69-1	Aroclor 1254	0.0595	U
1	11096-82-5	Aroclor 1260	0.0595	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-04</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-202-1</u>
Sample wt(Dry)/vol: <u>9.3530 g</u>	Lab Sample ID: <u>AL09656</u>
Percent Moisture: <u>11.0</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-11

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-11

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0535	U
1	11104-28-2	Aroclor 1221	0.0535	U
1	11141-16-5	Aroclor 1232	0.0535	U
1	53469-21-9	Aroclor 1242	0.0535	U
1	12672-29-6	Aroclor 1248	0.0535	U
1	11097-69-1	Aroclor 1254	0.0535	U
1	11096-82-5	Aroclor 1260	0.561	AG

Laboratory Qualifiers:

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-05</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-202-4</u>
Sample wt(Dry)/vol: <u>9.1174 g</u>	Lab Sample ID: <u>AL09657</u>
Percent Moisture: <u>16.0</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-12

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-12

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0548	U
1	11104-28-2	Aroclor 1221	0.0548	U
1	11141-16-5	Aroclor 1232	0.0548	U
1	53469-21-9	Aroclor 1242	0.0548	U
1	12672-29-6	Aroclor 1248	0.0548	U
1	11097-69-1	Aroclor 1254	0.0548	U
1	11096-82-5	Aroclor 1260	0.0548	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-07</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-203-1</u>
Sample wt(Dry)/vol: <u>10.0656 g</u>	Lab Sample ID: <u>AL09659</u>
Percent Moisture: <u>6.80</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-13

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-13

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0500	U
1	11104-28-2	Aroclor 1221	0.0500	U
1	11141-16-5	Aroclor 1232	0.0500	U
1	53469-21-9	Aroclor 1242	0.0500	U
1	12672-29-6	Aroclor 1248	0.0500	U
1	11097-69-1	Aroclor 1254	0.0500	U
1	11096-82-5	Aroclor 1260	0.0500	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-08</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-203-4</u>
Sample wt(Dry)/vol: <u>8.4229 g</u>	Lab Sample ID: <u>AL09660</u>
Percent Moisture: <u>20.2</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-14

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-14

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0594	U
1	11104-28-2	Aroclor 1221	0.0594	U
1	11141-16-5	Aroclor 1232	0.0594	U
1	53469-21-9	Aroclor 1242	0.0594	U
1	12672-29-6	Aroclor 1248	0.0594	U
1	11097-69-1	Aroclor 1254	0.0594	U
1	11096-82-5	Aroclor 1260	0.0594	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060111</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060111-09</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-203-10</u>
Sample wt(Dry)/vol: <u>8.6289 g</u>	Lab Sample ID: <u>AL09661</u>
Percent Moisture: <u>17.3</u>	Date Received: <u>06/13/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/16/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/18/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-192-18

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-152-18

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0579	U
1	11104-28-2	Aroclor 1221	0.0579	U
1	11141-16-5	Aroclor 1232	0.0579	U
1	53469-21-9	Aroclor 1242	0.0579	U
1	12672-29-6	Aroclor 1248	0.0579	U
1	11097-69-1	Aroclor 1254	0.0579	U
1	11096-82-5	Aroclor 1260	0.0579	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-01</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-204-2</u>
Sample wt(Dry)/vol: <u>8.4774 g</u>	Lab Sample ID: <u>AL09970</u>
Percent Moisture: <u>19.6</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-12

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-14

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0590	U
1	11104-28-2	Aroclor 1221	0.0590	U
1	11141-16-5	Aroclor 1232	0.0590	U
1	53469-21-9	Aroclor 1242	0.0590	U
1	12672-29-6	Aroclor 1248	0.0590	U
1	11097-69-1	Aroclor 1254	0.0590	U
1	11096-82-5	Aroclor 1260	0.0590	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-02</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-204-4</u>
Sample wt(Dry)/vol: <u>7.8098 g</u>	Lab Sample ID: <u>AL09971</u>
Percent Moisture: <u>26.1</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-13

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-15

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0640	U
1	11104-28-2	Aroclor 1221	0.0640	U
1	11141-16-5	Aroclor 1232	0.0640	U
1	53469-21-9	Aroclor 1242	0.0640	U
1	12672-29-6	Aroclor 1248	0.0640	U
1	11097-69-1	Aroclor 1254	0.0640	U
1	11096-82-5	Aroclor 1260	0.0640	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-04</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-204-D</u>
Sample wt(Dry)/vol: <u>7.8386 g</u>	Lab Sample ID: <u>AL09973</u>
Percent Moisture: <u>27.4</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-14

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-16

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0638	U
1	11104-28-2	Aroclor 1221	0.0638	U
1	11141-16-5	Aroclor 1232	0.0638	U
1	53469-21-9	Aroclor 1242	0.0638	U
1	12672-29-6	Aroclor 1248	0.0638	U
1	11097-69-1	Aroclor 1254	0.0638	U
1	11096-82-5	Aroclor 1260	0.0638	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

10-B
PCB Identification Summary

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	Client ID: <u>SB-205-1</u>
LRF Sample ID: <u>08060171-05</u>	Lab Sample ID: <u>AL09974</u>
Instrument 1 ID: <u>GC20F</u>	Instrument 2 ID: <u>GC20B</u>
Date Analyzed: <u>06/23/2008 3:21:27 PM</u>	Date Analyzed: <u>06/23/2008 3:21:27 PM</u>
GC Column 1: <u>Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um</u>	GC Column 2: <u>Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um</u>
Lab File ID 1: <u>GC20F-196-15</u>	Lab File ID 2: <u>GC20B-156-17</u>
Matrix: <u>Soil</u>	

Analyte	Column	Peak	RT (min)	RT Window		Concentration (ug/g)	RPD (%)	*
				From	To			
Aroclor 1248	1	1	NA	9.24	9.40			
		2	NA	9.88	10.04			
		3	NA	10.50	10.66			
		4	10.76	10.66	10.82			
		5	11.13	11.05	11.21			
	2	1	NA	9.89	10.05			
		2	NA	10.61	10.77			
		3	NA	11.22	11.38			
		4	11.51	11.41	11.57			
		5	11.96	11.88	12.04			
Aroclor 1254	1	1	11.42	11.35	11.51			
		2	12.06	11.99	12.15			
		3	12.33	12.26	12.42			
		4	13.78	13.71	13.87			
		5	14.58	14.51	14.67			
	2	1	12.13	12.05	12.21			
		2	12.89	12.81	12.97			
		3	13.18	13.10	13.26			
		4	14.63	14.56	14.72			
		5	15.48	15.42	15.58			
Aroclor 1260	1	1	14.58	14.51	14.67			
		2	16.77	16.70	16.86			
		3	17.59	17.53	17.69			
		4	18.30	18.24	18.40			
		5	20.32	20.26	20.42	0.285		
	2	1	15.48	15.41	15.57			
		2	17.69	17.62	17.78			
		3	18.82	18.75	18.91			
		4	19.42	19.36	19.52			
		5	21.91	21.86	22.02	0.282	1.06	

Relative Percent Difference Limit = 40.0%

FORM 10-CLP-PCB(NEA)

Print Date: 07/02/2008
NEA LIMS Ver: 4.4.0.3

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-06</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-205-4</u>
Sample wt(Dry)/vol: <u>8.7825 g</u>	Lab Sample ID: <u>AL09975</u>
Percent Moisture: <u>15.3</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-16

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-18

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0569	U
1	11104-28-2	Aroclor 1221	0.0569	U
1	11141-16-5	Aroclor 1232	0.0569	U
1	53469-21-9	Aroclor 1242	0.0569	U
1	12672-29-6	Aroclor 1248	0.0569	U
1	11097-69-1	Aroclor 1254	0.0569	U
1	11096-82-5	Aroclor 1260	0.0569	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-07</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-205-10</u>
Sample wt(Dry)/vol: <u>8.5945 g</u>	Lab Sample ID: <u>AL09976</u>
Percent Moisture: <u>20.2</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-17

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-19

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0582	U
1	11104-28-2	Aroclor 1221	0.0582	U
1	11141-16-5	Aroclor 1232	0.0582	U
1	53469-21-9	Aroclor 1242	0.0582	U
1	12672-29-6	Aroclor 1248	0.0582	U
1	11097-69-1	Aroclor 1254	0.0582	U
1	11096-82-5	Aroclor 1260	0.0582	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

10-B
PCB Identification Summary

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	Client ID: <u>SB-206-1</u>
LRF Sample ID: <u>08060171-08</u>	Lab Sample ID: <u>AL09977</u>
Instrument 1 ID: <u>GC20B</u>	Instrument 2 ID: <u>GC20F</u>
Date Analyzed: <u>06/23/2008 4:59:19 PM</u>	Date Analyzed: <u>06/23/2008 4:59:18 PM</u>
GC Column 1: <u>Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um</u>	GC Column 2: <u>Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um</u>
Lab File ID 1: <u>GC20B-156-20</u>	Lab File ID 2: <u>GC20F-196-18</u>
Matrix: <u>Soil</u>	

Analyte	Column	Peak	RT (min)	RT Window		Concentration (ug/g)	RPD (%)	*
				From	To			
Aroclor 1248	1	1	NA	9.89	10.05			
		2	NA	10.61	10.77			
		3	NA	11.22	11.38			
		4	11.51	11.41	11.57			
		5	11.97	11.88	12.04			
	2	1	NA	9.24	9.40			
		2	NA	9.88	10.04			
		3	NA	10.50	10.66			
		4	10.76	10.66	10.82			
		5	11.11	11.05	11.21			
Aroclor 1254	1	1	12.13	12.05	12.21			
		2	12.89	12.81	12.97			
		3	13.18	13.10	13.26			
		4	14.63	14.56	14.72			
		5	15.49	15.42	15.58	0.109		
	2	1	11.43	11.35	11.51			
		2	12.06	11.99	12.15			
		3	12.34	12.26	12.42			
		4	13.78	13.71	13.87			
		5	14.58	14.51	14.67	0.0947	14.0	
Aroclor 1260	1	1	15.49	15.41	15.57			
		2	17.70	17.62	17.78			
		3	18.80	18.75	18.91			
		4	NA	19.36	19.52			
		5	NA	21.86	22.02			
	2	1	14.58	14.51	14.67			
		2	16.77	16.70	16.86			
		3	17.59	17.53	17.69			
		4	NA	18.24	18.40			
		5	NA	20.26	20.42			

Relative Percent Difference Limit = 40.0%

FORM 10-CLP-PCB(NEA)

Print Date: 07/02/2008
Nea Lims Ver: c: 4.4.0.3

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-09</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-206-4</u>
Sample wt(Dry)/vol: <u>8.3046 g</u>	Lab Sample ID: <u>AL09978</u>
Percent Moisture: <u>24.9</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-20

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-22

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0602	U
1	11104-28-2	Aroclor 1221	0.0602	U
1	11141-16-5	Aroclor 1232	0.0602	U
1	53469-21-9	Aroclor 1242	0.0602	U
1	12672-29-6	Aroclor 1248	0.0602	U
1	11097-69-1	Aroclor 1254	0.0602	U
1	11096-82-5	Aroclor 1260	0.0602	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-10RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-206-9</u>
Sample wt(Dry)/vol: <u>8.2646 g</u>	Lab Sample ID: <u>AL09979RE1</u>
Percent Moisture: <u>17.7</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/23/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/25/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-198-7

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-158-7

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0605	U
1	11104-28-2	Aroclor 1221	0.0605	U
1	11141-16-5	Aroclor 1232	0.0605	U
1	53469-21-9	Aroclor 1242	0.0605	U
1	12672-29-6	Aroclor 1248	0.0605	U
1	11097-69-1	Aroclor 1254	0.0605	U
1	11096-82-5	Aroclor 1260	0.0605	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-11</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-208-1.5</u>
Sample wt(Dry)/vol: <u>9.0556 g</u>	Lab Sample ID: <u>AL09980</u>
Percent Moisture: <u>13.6</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-21

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-23

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0552	U
1	11104-28-2	Aroclor 1221	0.0552	U
1	11141-16-5	Aroclor 1232	0.0552	U
1	53469-21-9	Aroclor 1242	0.0552	U
1	12672-29-6	Aroclor 1248	0.0552	U
1	11097-69-1	Aroclor 1254	0.0552	U
1	11096-82-5	Aroclor 1260	0.0552	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-12</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-208-4</u>
Sample wt(Dry)/vol: <u>6.8172 g</u>	Lab Sample ID: <u>AL09981</u>
Percent Moisture: <u>34.4</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-22

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-24

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0733	U
1	11104-28-2	Aroclor 1221	0.0733	U
1	11141-16-5	Aroclor 1232	0.0733	U
1	53469-21-9	Aroclor 1242	0.0733	U
1	12672-29-6	Aroclor 1248	0.0733	U
1	11097-69-1	Aroclor 1254	0.0733	U
1	11096-82-5	Aroclor 1260	0.0733	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-13</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-208-9</u>
Sample wt(Dry)/vol: <u>8.6557 g</u>	Lab Sample ID: <u>AL09982</u>
Percent Moisture: <u>17.4</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-23

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.26um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-25

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0578	U
1	11104-28-2	Aroclor 1221	0.0578	U
1	11141-16-5	Aroclor 1232	0.0578	U
1	53469-21-9	Aroclor 1242	0.0578	U
1	12672-29-6	Aroclor 1248	0.0578	U
1	11097-69-1	Aroclor 1254	0.0578	U
1	11096-82-5	Aroclor 1260	0.0578	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-14</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-209-1.5</u>
Sample wt(Dry)/vol: <u>8.8939 g</u>	Lab Sample ID: <u>AL09983</u>
Percent Moisture: <u>11.6</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-24

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-26

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0562	U
1	11104-28-2	Aroclor 1221	0.0562	U
1	11141-16-5	Aroclor 1232	0.0562	U
1	53469-21-9	Aroclor 1242	0.0562	U
1	12672-29-6	Aroclor 1248	0.0562	U
1	11097-69-1	Aroclor 1254	0.0562	U
1	11096-82-5	Aroclor 1260	0.0562	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-15</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-209-4</u>
Sample wt(Dry)/vol: <u>8.2900 g</u>	Lab Sample ID: <u>AL09984</u>
Percent Moisture: <u>19.6</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-25

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-27

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0603	U
1	11104-28-2	Aroclor 1221	0.0603	U
1	11141-16-5	Aroclor 1232	0.0603	U
1	53469-21-9	Aroclor 1242	0.0603	U
1	12672-29-6	Aroclor 1248	0.0603	U
1	11097-69-1	Aroclor 1254	0.0603	U
1	11096-82-5	Aroclor 1260	0.0603	U

Laboratory Qualifiers:

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060171</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060171-16</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-209-10</u>
Sample wt(Dry)/vol: <u>9.0539 g</u>	Lab Sample ID: <u>AL09985</u>
Percent Moisture: <u>14.4</u>	Date Received: <u>06/19/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/19/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/23/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-196-26

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-156-28

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0552	U
1	11104-28-2	Aroclor 1221	0.0552	U
1	11141-16-5	Aroclor 1232	0.0552	U
1	53469-21-9	Aroclor 1242	0.0552	U
1	12672-29-6	Aroclor 1248	0.0552	U
1	11097-69-1	Aroclor 1254	0.0552	U
1	11096-82-5	Aroclor 1260	0.0552	U

Laboratory Qualifiers:

Note: There were several non-target peaks.

U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



CERTIFICATE OF ANALYSIS
 06/24/2008
 TRC ENVIRONMENTAL
 WANNALANCIT MILLS
 650 SUFFOLK ST
 LOWELL, MA 01854
 CONTACT: DAVID SULLIVAN

CUSTOMER ID: SB-201-4 MATRIX: SOIL DATE RECEIVED: 06/13/2008 TIME: 10:11 SAMPLED BY: C. FOSTER CUSTOMER PO: N/A METHOD: PCB by EPA Method 680 GCMS	NEA ID: AL09654 NEA LRF: 08060111-02 DATE SAMPLED: 06/11/2008 TIME: 12:10 PROJECT: CITY OF NEW BEDFORD LOCATION: NEW BEDFORD LAB ELAP#: 11078 DATE ANALYZED: 06/20/2008
--	--

HOMOLOG GROUP	CAS NUMBER	AMOUNT	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	27323-18-8	ND	0.016	mg/kg	ND
Dichlorobiphenyl	25512-42-9	ND	0.016	mg/kg	ND
Trichlorobiphenyl	25323-68-6	ND	0.016	mg/kg	ND
Tetrachlorobiphenyl	26914-33-0	ND	0.032	mg/kg	ND
Pentachlorobiphenyl	25429-29-2	ND	0.032	mg/kg	ND
Hexachlorobiphenyl	26601-64-9	ND	0.032	mg/kg	ND
Heptachlorobiphenyl	28655-71-2	ND	0.049	mg/kg	ND
Octachlorobiphenyl	55722-26-4	ND	0.049	mg/kg	ND
Nonachlorobiphenyl	53742-07-7	ND	0.081	mg/kg	ND
Decachlorobiphenyl	2051-24-3	ND	0.081	mg/kg	ND
Total PCB	1336-36-3	ND			ND

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL
 PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
 Quality Assurance Officer

Robert E. Wigner
 Laboratory Director



DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

6/23/2008
 Page 1 of 14

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 6/12/2008
 Field Sample #: SB-201-4
 Sample ID: 08B21236
 Sample Matrix: SOIL

LIMS-BAT #: LIMIT-16760
 Job Number: 115058

‡Sampled : 6/11/2008
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/19/08	OP	5.40			
Arsenic	mg/kg dry wt	20.9	06/19/08	OP	3.37			
Barium	mg/kg dry wt	554	06/19/08	OP	6.74			
Beryllium	mg/kg dry wt	ND	06/19/08	OP	0.34			
Cadmium	mg/kg dry wt	1.37	06/19/08	OP	0.34			
Chromium	mg/kg dry wt	15.8	06/19/08	OP	0.68			
Lead	mg/kg dry wt	802	06/19/08	OP	1.02			
Nickel	mg/kg dry wt	19.8	06/19/08	OP	0.68			
Selenium	mg/kg dry wt	ND	06/19/08	OP	6.74			
Silver	mg/kg dry wt	8.46	06/19/08	OP	0.68			
Thallium	mg/kg dry wt	ND	06/19/08	OP	4.05			
Vanadium	mg/kg dry wt	27.1	06/19/08	OP	6.74			
Zinc	mg/kg dry wt	537	06/19/08	OP	1.35			

Analytical Method:
 SW846 6010
 SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/23/2008
Page 2 of 14

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/12/2008
Field Sample #: SB-202-4
Sample ID: 08B21237

LIMS-BAT #: LIMT-16760
Job Number: 115058

‡Sampled: 6/11/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/19/08	OP	5.43			
Arsenic	mg/kg dry wt	10.2	06/19/08	OP	3.40			
Barium	mg/kg dry wt	104	06/19/08	OP	6.79			
Beryllium	mg/kg dry wt	ND	06/19/08	OP	0.34			
Cadmium	mg/kg dry wt	0.80	06/19/08	OP	0.34			
Chromium	mg/kg dry wt	7.84	06/19/08	OP	0.68			
Lead	mg/kg dry wt	943	06/19/08	OP	1.02			
Nickel	mg/kg dry wt	7.62	06/19/08	OP	0.68			
Selenium	mg/kg dry wt	ND	06/19/08	OP	6.79			
Silver	mg/kg dry wt	4.19	06/19/08	OP	0.68			
Thallium	mg/kg dry wt	ND	06/19/08	OP	4.08			
Vanadium	mg/kg dry wt	12.9	06/19/08	OP	6.79			
Zinc	mg/kg dry wt	248	06/19/08	OP	1.36			

Analytical Method:
SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/23/2008
Page 3 of 14

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/12/2008
Field Sample #: SB-203-4 QC

LIMS-BAT #: LIMIT-16760
Job Number: 115058

Sample ID: 08B21238 ‡Sampled: 6/11/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	ND	06/19/08	OP	5.43		
Arsenic	mg/kg dry wt	10.6	06/19/08	OP	3.40		
Barium	mg/kg dry wt	389	06/19/08	OP	6.79		
Beryllium	mg/kg dry wt	ND	06/19/08	OP	0.34		
Cadmium	mg/kg dry wt	0.53	06/19/08	OP	0.34		
Chromium	mg/kg dry wt	16.6	06/19/08	OP	0.68		
Lead	mg/kg dry wt	359	06/19/08	OP	1.02		
Nickel	mg/kg dry wt	15.6	06/19/08	OP	0.68		
Selenium	mg/kg dry wt	ND	06/19/08	OP	6.79		
Silver	mg/kg dry wt	4.31	06/19/08	OP	0.68		
Thallium	mg/kg dry wt	ND	06/19/08	OP	4.08		
Vanadium	mg/kg dry wt	27.8	06/19/08	OP	6.79		
Zinc	mg/kg dry wt	184	06/19/08	OP	1.36		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008
Page 1 of 32

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample #: SB-205-4

LIMS-BAT #: LIMIT-16916
Job Number: 115058(EDGEOFF)

Sample ID : 08B21992 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/24/08	OP	4.96			
Arsenic	mg/kg dry wt	5.64	06/24/08	OP	3.10			
Barium	mg/kg dry wt	113	06/24/08	OP	6.20			
Beryllium	mg/kg dry wt	ND	06/24/08	OP	0.31			
Cadmium	mg/kg dry wt	0.59	06/24/08	OP	0.31			
Chromium	mg/kg dry wt	10.5	06/24/08	OP	0.62			
Lead	mg/kg dry wt	169	06/24/08	OP	0.93			
Nickel	mg/kg dry wt	9.45	06/24/08	OP	0.62			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.20			
Silver	mg/kg dry wt	2.19	06/24/08	OP	0.62			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.72			
Vanadium	mg/kg dry wt	18.0	06/24/08	OP	6.20			
Zinc	mg/kg dry wt	172	06/24/08	OP	1.24			

Analytical Method:
SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

6/27/2008
 Page 2 of 32

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 6/18/2008
 Field Sample # : SB-208-4
 Sample ID : 08B21993
 Sample Matrix: SOIL

LIMS-BAT #: LIMIT-16916
 Job Number: 115058(EDGEOFF)

‡Sampled : 6/16/2008
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.25			
Arsenic	mg/kg dry wt	24.3	06/24/08	OP	3.28			
Barium	mg/kg dry wt	527	06/24/08	OP	6.56			
Beryllium	mg/kg dry wt	0.70	06/24/08	OP	0.33			
Cadmium	mg/kg dry wt	0.86	06/24/08	OP	0.33			
Chromium	mg/kg dry wt	17.7	06/24/08	OP	0.66			
Lead	mg/kg dry wt	771	06/24/08	OP	0.99			
Nickel	mg/kg dry wt	17.8	06/24/08	OP	0.66			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.56			
Silver	mg/kg dry wt	4.75	06/24/08	OP	0.66			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.94			
Vanadium	mg/kg dry wt	51.9	06/24/08	OP	6.56			
Zinc	mg/kg dry wt	557	06/24/08	OP	1.32			

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

6/27/2008
 Page 3 of 32

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 6/18/2008
 Field Sample #: SB-209-4
 Sample ID : 08B21994

LIMS-BAT #: LIMIT-16916
 Job Number: 115058(EDGF.OFF)

‡Sampled : 6/16/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.25			
Arsenic	mg/kg dry wt	8.52	06/24/08	OP	3.29			
Barium	mg/kg dry wt	221	06/24/08	OP	6.57			
Beryllium	mg/kg dry wt	0.55	06/24/08	OP	0.33			
Cadmium	mg/kg dry wt	0.51	06/24/08	OP	0.33			
Chromium	mg/kg dry wt	14.3	06/24/08	OP	0.66			
Lead	mg/kg dry wt	315	06/24/08	OP	0.99			
Nickel	mg/kg dry wt	11.8	06/24/08	OP	0.66			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.57			
Silver	mg/kg dry wt	1.66	06/24/08	OP	0.66			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.94			
Vanadium	mg/kg dry wt	22.2	06/24/08	OP	6.57			
Zinc	mg/kg dry wt	149	06/24/08	OP	1.32			

Analytical Method:
 SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
 TRC SOLUTIONS - LOWELL
 650 SUFFOLK STREET
 LOWELL, MA 01852

6/23/2008
 Page 8 of 14

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 6/12/2008
 Field Sample #: SB-201-4
 Sample ID: 08B21236
 Sample Matrix: SOIL

LIMS-BAT #: LIMIT-16760
 Job Number: 115058

‡Sampled : 6/11/2008
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.197	06/18/08	SPL	0.017			

Field Sample #: SB-202-4

Sample ID: 08B21237

‡Sampled 6/11/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.267	06/18/08	SPL	0.132			

Field Sample #: SB-203-4 QC

Sample ID: 08B21238

‡Sampled : 6/11/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.308	06/18/08	SPL	0.012			

Field Sample #: ~~SB-204-4~~

Sample ID: 08B21240

‡Sampled : 6/11/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.116	06/18/08	SPL	0.012			

Field Sample #: ~~SB-205-4~~

Sample ID: 08B21241

‡Sampled : 6/11/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.132	06/18/08	SPL	0.016			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008
Page 14 of 32

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample #: SB-205-4
Sample ID: 08B21992

LIMS-BAT #: LIMIT-16916
Job Number: 115058(EDGEOFF)

‡Sampled: 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.096	06/20/08	SPL	0.021		

Field Sample #: SB-208-4

Sample ID: 08B21993

‡Sampled: 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.188	06/20/08	SPL	0.020		

Field Sample #: SB-209-4

Sample ID: 08B21994

‡Sampled: 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.082	06/20/08	SPL	0.015		

Field Sample #: ~~SB-210-4~~

Sample ID: 08B21995

‡Sampled: 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.154	06/20/08	SPL	0.034		

Field Sample #: ~~SB-211-4~~

Sample ID: 08B21996

‡Sampled: 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.265	06/20/08	SPL	0.199		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.