DATA SUMMARY REPORT

Transect "B"
New Bedford, Massachusetts

Prepared for:

City of New Bedford
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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) municipal properties and along Liberty 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 the 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). Fill materials along Transect "B" were generally encountered between two and five feet below ground surface (bgs). 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) in the surrounding area.

Figure 3 illustrates the locations investigated by TRC along Transect "B" 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 "B" for laboratory analysis.

Summary of Investigation Activities – Transect B – June 2008

Location	Soil Borings	Number of Soil Samples Submitted for Laboratory Analysis	Analyses[1]		
			PCBs[2]	PAHs[3]	MCP Metals/Hg[4]
Transect B	11	21	21	7	7

Notes:
[1]Does not include quality control (QC) samples.
[2]Polychlorinated biphenyls (PCBs) as Aroclors by SW-846 Method 8082; one sample additionally submitted for PCB Homolog analysis
[3]Polyaromatic hydrocarbons (PAHs) by SW-846 Method 8270C.
[4]Massachusetts 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 B on June 16, 2008 using a truck-mounted Geoprobe®. These three soil borings were identified as SB-210 through 212. Eight (8) soil borings were also advanced along the route on June 17, 2008 using a truck-mounted Geoprobe®. These eight soil borings were identified as SB-213 through 219 and 221. 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-210	6/16/2008	12	(2.5), 5, 11	Model 5400 Truck Rig
SB-211	6/16/2008	12	(2.5), 5, 11	Model 5400 Truck Rig
SB-212	6/16/2008	12	(2), 4, 10	Model 5400 Truck Rig

Soil Boring	Date Advanced	Total Depth (ft bgs)	Depths Submitted for Laboratory Analysis* (ft bgs)	Drill Rig
SB-213	6/17/2008	12	(2.5), 5, 12	Model 5400 Truck Rig
SB-214	6/17/2008	10	(2.5), 4, 10	Model 5400 Truck Rig
SB-215	6/17/2008	9	(2.5), 7.5, 9	Model 5400 Truck Rig
SB-216	6/17/2008	8.5	(2.5), 4, (8)	Model 5400 Truck Rig
SB-217	6/17/2008	12	(2.5), 5, 11	Model 5400 Truck Rig
SB-218	6/17/2008	12	(2.5), 4.5, 10	Model 5400 Truck Rig
SB-219	6/17/2008	11	(2), 4, 9	Model 5400 Truck Rig
SB-221	6/17/2008	11	(2), 5, 8.5	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 "B" 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 "B". ***Five 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 B

Contaminant	Sample I.D.	Sample Depth (feet)	Concentration (mg/kg)	Regulatory Criteria for Soil					
				Massachusetts Contingency Plan					TSCA PCB
				S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	
Benzo(a)pyrene	SB-214	4	3.57	2	2	4	4	2	N/A
Cadmium	SB-219	4	2.92	2	2	30	30	2	N/A
Chromium	SB-219	4	35.9	30	30	200	200	30	N/A
Lead	SB-210	5	510	300	300	300	300	300	N/A
Lead	SB-212	4	5,580	300	300	300	300	300	N/A
Lead	SB-214	4	561	300	300	300	300	300	N/A
Lead	SB-217	5	418	300	300	300	300	300	N/A
Lead	SB-219	4	1,500	300	300	300	300	300	N/A

Summary of Soil Contaminants in Excess of Regulatory Criteria – Transect B									
Contaminant	Sample I.D.	Sample Depth (feet)	Concentration (mg/kg)	Regulatory Criteria for Soil					
				Massachusetts Contingency Plan					TSCA PCB
				S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	
Nickel	SB-214	4	73.6	20	20	700	700	20	N/A
Nickel	SB-217	5	26.3	20	20	700	700	20	N/A
Nickel	SB-219	4	28.9	20	20	700	700	20	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 homolog 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 B
New Bedford, Massachusetts

Analysis	Analyte	Sample Location						SB-210		SB-211		SB-212			SB-213		SB-214	
		Sample Depth (ft.)						5	11	5	11	4	4	10	5	12	4	10
		Sample Date:						6/16/2008	6/16/2008	6/16/2008	6/16/2008	6/16/2008	6/16/2008 Field Dup	6/16/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA											
PAHs (mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.02 U	NA
	Acenaphthylene	600	10	600	10	1	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.02 U	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.23	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	0.231 U	NA	NA	NA	0.284	0.448	NA	NA	NA	3.95	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	0.231 U	NA	NA	NA	0.267	0.435	NA	NA	NA	**3.57**	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	0.231 U	NA	NA	NA	0.363	0.604	NA	NA	NA	4.25	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.49	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.231 U	NA	NA	NA	0.218 U	0.237	NA	NA	NA	1.81	NA
	Chrysene	70	70	400	400	70	N/A	0.231 U	NA	NA	NA	0.314	0.501	NA	NA	NA	3.97	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.02 U	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	0.293	NA	NA	NA	0.450	0.810	NA	NA	NA	5.52	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.02 U	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.231 U	NA	NA	NA	0.218 U	0.261	NA	NA	NA	1.97	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.02 U	NA
	Naphthalene	40	500	40	1,000	4	N/A	0.231 U	NA	NA	NA	0.218 U	0.222 U	NA	NA	NA	1.02 U	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	0.231 U	NA	NA	NA	0.326	0.459	NA	NA	NA	4.16	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	0.337	NA	NA	NA	0.437	0.599	NA	NA	NA	5.90	NA
PCBs (mg/kg)	Aroclor 1016	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.0604 U	0.131 UJ
	Aroclor 1221	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.0604 U	0.131 UJ
	Aroclor 1232	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.0604 U	0.131 UJ
	Aroclor 1242	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.0604 U	0.131 UJ
	Aroclor 1248	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.0604 U	0.131 UJ
	Aroclor 1254	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.225 J	0.131 UJ
	Aroclor 1260	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.0604 U	0.131 UJ
	Total PCBs	2	2	3	3	2	1	0.0591 U	0.0584 U	0.0662 U	0.0545 U	0.0655 U	0.0635 U	0.0541 U	0.0555 U	0.0549 U	0.225 J	0.131 UJ
PCB Homologs (mg/kg)	Monochlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Octachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nonachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Decachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals (mg/kg)	Antimony	20	20	30	30	20	N/A	5.53 U	NA	NA	NA	5.23 U	5.33 U	NA	NA	NA	4.89 U	NA
	Arsenic	20	20	20	20	20	N/A	12.3	NA	NA	NA	16.9	18.4	NA	NA	NA	7.20	NA
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	260	NA	NA	NA	697	707	NA	NA	NA	211	NA
	Beryllium	100	100	200	200	100	N/A	0.64	NA	NA	NA	0.57	0.66	NA	NA	NA	0.36	NA
	Cadmium	2	2	30	30	2	N/A	0.49	NA	NA	NA	1.96	1.38	NA	NA	NA	1.54	NA
	Chromium	30	30	200	200	30	N/A	16.3	NA	NA	NA	16.0	17.6	NA	NA	NA	11.7	NA
	Lead	300	300	300	300	300	N/A	**510**	NA	NA	NA	**2,420**	**5,580**	NA	NA	NA	**561**	NA
	Nickel	20	20	700	700	20	N/A	15.8	NA	NA	NA	16.1	18.3	NA	NA	NA	**73.6**	NA
	Selenium	400	400	800	800	400	N/A	6.91 U	NA	NA	NA	6.53 U	6.66 U	NA	NA	NA	6.11 U	NA
	Silver	100	100	200	200	100	N/A	4.13	NA	NA	NA	5.82	4.30	NA	NA	NA	3.03	NA
	Thallium	8	8	60	60	8	N/A	4.15 U	NA	NA	NA	3.92 U	4.00 U	NA	NA	NA	3.67 U	NA
	Vanadium	600	600	1,000	1,000	600	N/A	34.5	NA	NA	NA	27.3	31.4	NA	NA	NA	17.6	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	371	NA	NA	NA	483	428	NA	NA	NA	445	NA
	Mercury	20	20	30	30	20	N/A	0.154	NA	NA	NA	0.265	2.47	NA	NA	NA	0.272	NA

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

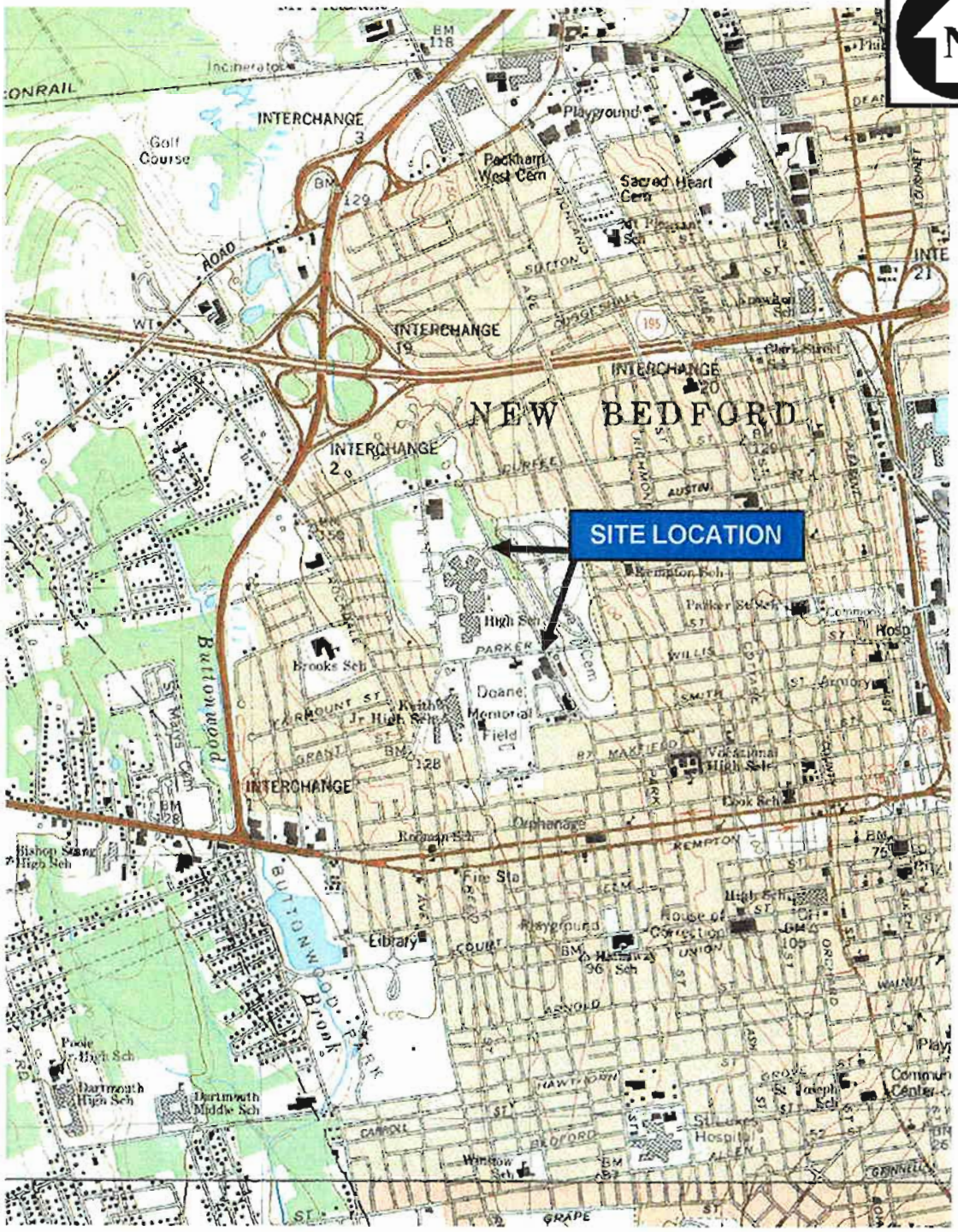
Analysis	Analyte	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA	Sample Location: SB-215		SB-216	SB-217		SB-218		SB-219			SB-221	
								Sample Depth (ft.) 7.5	9	4	5	11	4.5	10	4	4	9	5	8.5
								Sample Date: 6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008	6/17/2008 Field Dup	6/17/2008	6/17/2008	6/17/2008
PAHs																			
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	NA	NA	0.186 U	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Acenaphthylene	600	10	600	10	1	N/A	NA	NA	0.186 U	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	0.197	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	NA	NA	0.643	0.643	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	NA	NA	0.698	0.410	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	NA	NA	0.835	0.710	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	0.414	0.367	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	NA	NA	0.339	0.243	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Chrysene	70	70	400	400	70	N/A	NA	NA	0.676	0.810	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	NA	NA	0.186 U	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	1.60	1.05	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	0.186 U	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	NA	NA	0.490	0.380	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	NA	NA	0.186 U	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	0.186 U	0.229 U	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	NA	NA	0.799	0.930	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	1.20	1.11	NA	NA	NA	1.14 U	NA	NA	0.178 U	NA
PCBs																			
(mg/kg)	Aroclor 1016	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.0581 U	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Aroclor 1221	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.0581 U	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Aroclor 1232	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.0581 U	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Aroclor 1242	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.0581 U	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Aroclor 1248	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.0581 U	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Aroclor 1254	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.158 J	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Aroclor 1260	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.0843 J	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
	Total PCBs	2	2	3	3	2	1	0.0611 U	0.138 UJ	0.0525 U	0.0653 U	0.0530 U	0.2423 J	0.0534 U	0.0657 U	0.0681 U	0.0537 U	0.0531 U	0.0514 U
PCB Homologs																			
(mg/kg)	Monochlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.017 U	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.017 U	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.017 U	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.033 U	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.033 U	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.033 U	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.050 U	NA	NA	NA	NA	NA	NA	NA	NA
	Octachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.050 U	NA	NA	NA	NA	NA	NA	NA	NA
	Nonachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.083 U	NA	NA	NA	NA	NA	NA	NA	NA
	Decachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	0.083 U	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	0.083 U	NA	NA	NA	NA	NA	NA	NA	NA
Metals																			
(mg/kg)	Antimony	20	20	30	30	20	N/A	NA	NA	4.45 U	5.50 U	NA	NA	NA	5.45 U	NA	NA	4.27 U	NA
	Arsenic	20	20	20	20	20	N/A	NA	NA	3.51	15.3	NA	NA	NA	17.3	NA	NA	2.67 U	NA
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	31.9	513	NA	NA	NA	337	NA	NA	27.8	NA
	Beryllium	100	100	200	200	100	N/A	NA	NA	0.28 U	0.87	NA	NA	NA	0.35 U	NA	NA	0.27 U	NA
	Cadmium	2	2	30	30	2	N/A	NA	NA	0.28 U	1.14	NA	NA	NA	**2.92**	NA	NA	0.27 U	NA
	Chromium	30	30	200	200	30	N/A	NA	NA	5.27	13.5	NA	NA	NA	**35.9**	NA	NA	8.59	NA
	Lead	300	300	300	300	300	N/A	NA	NA	55.3	**418**	NA	NA	NA	**1,500**	NA	NA	2.49	NA
	Nickel	20	20	700	700	20	N/A	NA	NA	3.72	**26.3**	NA	NA	NA	**28.9**	NA	NA	4.95	NA
	Selenium	400	400	800	800	400	N/A	NA	NA	5.56 U	6.87 U	NA	NA	NA	6.82 U	NA	NA	5.34 U	NA
	Silver	100	100	200	200	100	N/A	NA	NA	1.23	7.72	NA	NA	NA	12.2	NA	NA	1.11	NA
	Thallium	8	8	60	60	8	N/A	NA	NA	3.34 U	4.13 U	NA	NA	NA	4.09 U	NA	NA	3.20 U	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	9.43	23.3	NA	NA	NA	28.5	NA	NA	12.0	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	43.6	560	NA	NA	NA	579	NA	NA	12.3	NA
	Mercury	20	20	30	30	20	N/A	NA	NA	0.446	0.111	NA	NA	NA	0.281	NA	NA	0.014 U	NA

Table 1
Summary of Analytical Results for Soil Samples - June 2008
Transect B
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.
UJ - Estimated nondetect.
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

0 1000 2000 3000

scale in feet

QUADRANGLE LOCATION

T:\E_CAD\115058\TOPO TRANSECT B.ppt

TRANSECT B
NEW BEDFORD, MASSACHUSETTS

SITE LOCATION MAP

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

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

FIGURE 1

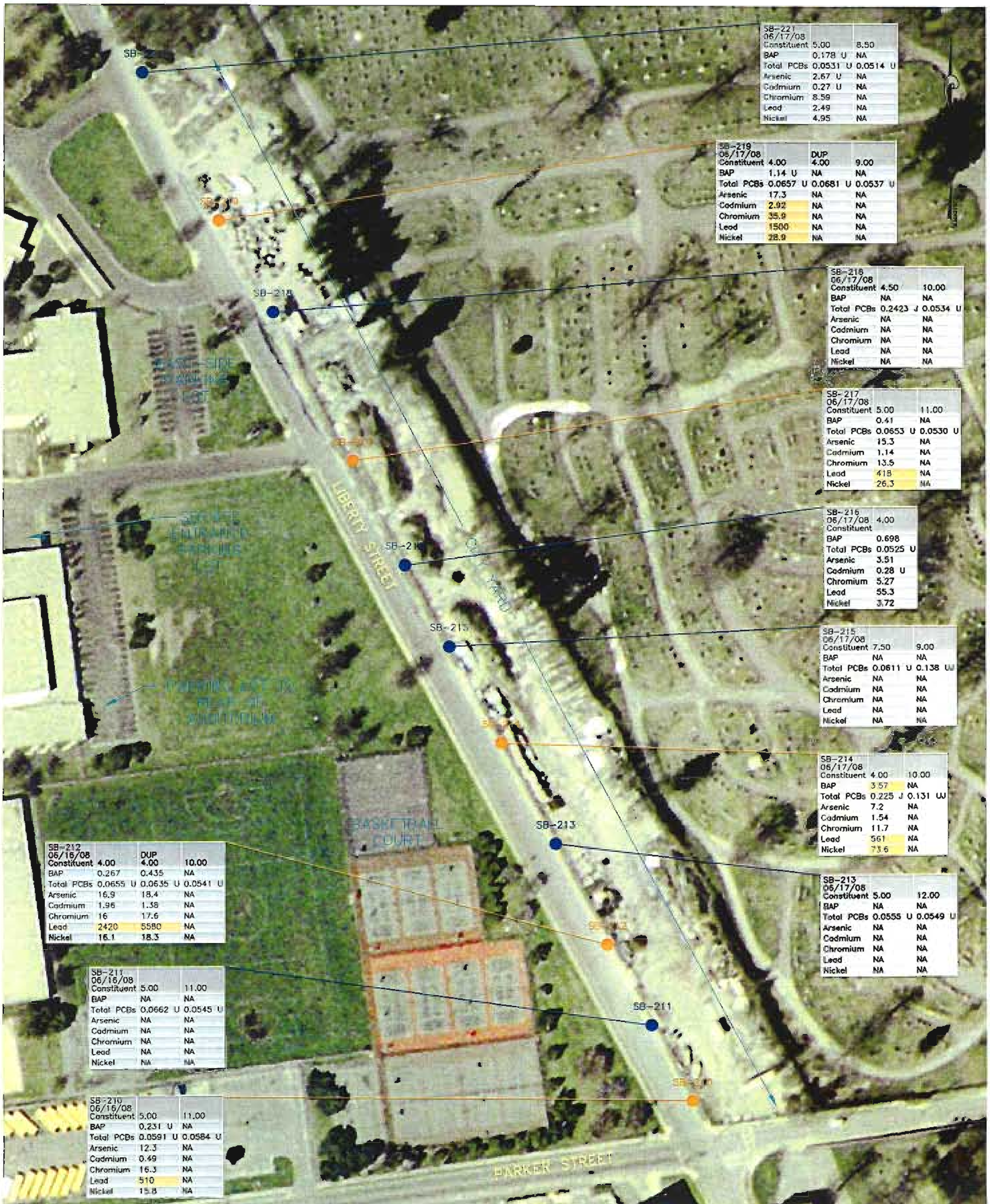
B

TRC
650 Suffolk St.
Wannalancit Mills
Lowell, MA 01854

Figure 2
Site Aerial Photograph
Transect B

N
0 75 150 300
Feet

R:\Projects\GIS_2007\54634_NBedford\Transects_080408.mxd



Summary of Regulatory Comparison Criteria for Soil (mg/kg)						
Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	3	3	2	1
Arsenic	20	20	20	20	20	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A
Nickel	20	20	700	700	20	N/A

APPROXIMATE GRAPHIC SCALE
0' 60' 120' 240'

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.
UJ - ESTIMATED NONDETECT.

VALUES SHOWN IN PEACH BACKGROUND EXCEED ONE OR MORE OF THE LISTED MASSDEP METHOD 1 STANDARDS.

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

SAMPLE LOCATION
SAMPLE DATE
CONTAMINANT NAME / ABBREVIATION
SAMPLE DEPTH IN FEET

SB-211 06/16/08		
Constituent	5.00	11.00
BAP	NA	NA
Total PCBs	0.0662 U	0.0545 U
Arsenic	NA	NA
Cadmium	NA	NA
Chromium	NA	NA
Lead	NA	NA
Nickel	NA	NA

TRANSECT B
NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS
SUMMARY MAP

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

FIGURE 3

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

FILE: Q:\GEOSCI\GISKEYProjects\NewBedford\Soil_Results_Transect B.DWG

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

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-210	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B - Southwest corner of City Yard (east of/adjacent to fence)		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: ~7 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"/32"	20" Brown fine to coarse SAND, trace fine gravel and asphalt 8" Brown fine to coarse SAND, some silt 4" Brown fine to coarse SAND, some fill material (ash, slag and trace coal)		OS = bkg HS = bkg
2					
3					
4					
5	S-2	48"/30"	8" Brown fine to coarse SAND, some fill material (ash, slag and trace coal) 22" PEAT with increasing root material to 8-feet		OS = bkg HS = bkg
6					
7					
8					
9	S-3	48"/24"	4" Organic SILT (peat) with roots, wet 20" Gray fine SAND, some silt, saturated		OS = bkg HS = bkg
10					
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-210-2.5 @ 1350 for PCBs (HOLD)
2) SB-210-5 @ 1355 for PCBs , Metals & PAHs
3) SB-210-11 @ 1405 for PCBs (HOLD: Metals & PAHs)
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-211	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approx. 110 feet north of SB-210 (east of/adjacent to fence)		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"/28"	18" Tan to brown fine to coarse SAND, some fine gravel		OS = bkg HS = bkg
2			6" Tan to brown fine to coarse SAND, some coal and slag, trace glass and possible ash (FILL)		
3			4" Olive green fine SAND, some silt, trace ash in tip		
4					
5	S-2	48"/26"	8" FILL material (ash with fine to coarse sand and gravel)		OS = bkg HS = bkg
6			18" Dark brown PEAT, increasing root material with depth, wet		
7					
8	S-3	48"/38"	14" Dark brown PEAT, increasing root material with depth, wet		OS = bkg HS = bkg
9			24" Gray to olive fine to medium SAND and SILT, dense near bottom, saturated		
10					
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-211-2.5 @ 1430 for PCBs (HOLD)
2) SB-211-5 @ 1440 for PCBs (plus MS/MSD)
3) SB-211-11 @ 1445 for PCBs
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-212	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approx. 110 feet north of SB-211 (east of/adjacent to fence)		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
1–4	S-1	48"/38"	14" Gray fine to coarse SAND, some fine gravel 8" Brown fine to coarse SAND, trace fill (glass, slag and possible ash) 6" Black TAR material (possible melted plastic) 10" Brown to tan FILL (ash, coal, slag and glass)		OS = bkg HS = bkg
5–8	S-2	48"/26"	6" Brown to tan FILL (ash, coal, slag and glass), wet (possibly perched water table) 20" Dark brown to black PEAT, increasing root material with depth, moist		OS = bkg HS = bkg
9–13	S-3	48"/44"	8" Dark brown to black PEAT, increasing root material with depth, moist 36" Gray fine to medium SAND and SILT, saturated End of Boring 12 ft.		OS = bkg HS = bkg

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%; little 10-20%; some 20-35%; 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-212-2 @ 1455 for PCBs (HOLD)
2) SB-212-4 @ 1500 for PCBs, Metals & PAHs
3) SB-212-D @ 1600 (Duplicate of SB-212-4 for PCBs, Metals & PAHs)
4) SB-212-10 @ 1510 for PCBs (HOLD: Metals & PAHs)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-213	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 140 feet north of SB-212 (adjacent to fence)		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: ~7 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing	
1–4	S-1	48"/30"	6" Dark brown fine SAND, little silt and medium to coarse sand, trace fine gravel, wet (from rain), no odor, no staining 12" Dark brown to black fine SAND, trace fine gravel, coal, brick and glass, no odor, no staining 12" Tan fine SAND, little medium to coarse sand, trace fine gravel, moist, no odor, no staining		OS = bkg HS = bkg	Note: Refusal on first attempt at 2 feet, moved approximately 1 foot north
5–8	S-2	48"/14"	10" Black fine SAND with coal, slag, trace brick and glass (fill material), moist no odor, no staining 4" Organic SILT (peat), moist to wet, no odor, no staining		OS = bkg HS = bkg	
9–13	S-3	48"/24"	12" Organic SILT (peat), wet, organic odor, no staining 12" Gray fine SAND, some silt, saturated, no odor End of Boring 12 ft.		OS = bkg HS = bkg	

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-213-2.5 @ 0915 for PCBs (HOLD)
2) SB-213-5 @ 0920 for PCBs
3) SB-213-12 @ 0930 for PCBs
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-214	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 135 feet north of SB-213 (adjacent to fence)		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: ~7 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 10 feet	Date Start: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/36"	12" Dark brown fine SAND, little medium to coarse sand, trace fine to medium gravel, slightly moist, no odor, no staining		OS = bkg HS = bkg
2			14" Dark brown fine SAND with fill material (some coal, brick, glass and ash), trace fine gravel, moist, no odor, no staining		
3			3" Gray fine SAND, moist, no odor, no staining		
4			7" FILL material (ash, slag and coal)		
5	S-2	48"/18"	10" FILL material (ash, slag and coal), wet, no odor, no staining		OS = bkg HS = bkg
6			8" Black organic SILT (peat), wet, no odor, no staining		
7					
8	S-3	24"/12"	Dark brown organic SILT (peat) with some gray fine sand in tip		OS = bkg HS = bkg
9					
10			End of Boring (Refusal at 10 ft. with metal in tip (likely fall in) but appeared to be in native material (peat to gray sand))		
11					
12					
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-214-2.5 @ 0940 for PCBs (HOLD)
2) SB-214-4 @ 0945 for PCBs, Metals & PAHs
3) SB-214-10 @ 1000 for PCBs
4)
5)

TRC

Geoprobe Soil Log

Client/Project	Project No.	Boring No.	Sheet
City of New Bedford	115058	SB-215	1 of 1
		Well No. NA	

Soil Gas Screening Number and AOC Location: Transect B – Approximately 130 feet north of SB-214 (adjacent to fence)

TRC Geologist: Jeff Saunders

Geoprobe Contractor/Foreman	Geoprobe Make/Model	Sampling Description
NEG / Bill Meadows	Model 5400Truck Rig	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: ~7 feet	Surface Elevation:
Riser Length/Type: NA	Total Depth: 9 feet	Date Start: 6/17/08 / Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1–4	S-1	48"/30"	20" Dark brown fine SAND, little silt and medium to coarse sand, trace fine gravel, brick and coal, moist (from rain), no odor, no staining 10" Tan fine SAND, trace fine gravel, little silt, no odor, no staining		OS = bkg HS = bkg
5–8	S-2	48"/12"	6" Dark tan to brown fine SAND, trace fine gravel, moist to wet, no odor, no staining 2" Pulverized GRAVEL 2" Gray to brown fine SAND, wet 2" Rusty FILL (coal, slag and ash) 2" Black organic SILT (peat), wet, organic odor, no staining		OS = bkg HS = bkg
8–13	S-3	12"/12"	12" Organic SILT (peat) with gray fine sand in tip, wet, no odor, no staining End of Boring (Refusal at 9 ft.)		OS = bkg HS = bkg

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%; little 10-20%; some 20-35%; 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-215-2.5 @ 1025 for PCBs (HOLD)
2) SB-215-7.5 @ 1030 for PCBs (limited volume)
3) SB-215-9 @ 1040 for PCBs
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-216	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 110 feet north of SB-215 (adjacent to fence)		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: ~7 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 8.5 feet	Date Start: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1–4	S-1	48"/36"	18" Dark brown fine SAND, some silt, trace fine gravel, coal, brick, glass, wet at surface (from rain) , no odor, no staining 10" Tan fine SAND, dense, trace fine gravel, moist, no odor, no staining 8" Dark brown fine SAND, some slag, coal, ash and glass, moist, no odor, no staining		OS = bkg HS = bkg
5–7	S-2	48"/12"	8" FILL material (fine sand matrix with slag, coal, ash and glass), wet 4" Black organic SILT (peat)		OS = bkg HS = bkg
8–13	S-3	6"/2"	2" Rock and fill debris (possible concrete, may have fallen in from above), wet End of Boring (Refusal at 7-8.5 ft. on several attempts. Appeared to be large fill material at depth)		OS = bkg HS = NA (due to volume)

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-216-2.5 @ 1140 for PCBs (HOLD)
2) SB-216-4 @ 1145 for PCBs, Metals & PAHs
3) SB-216-8 @ 1200 for PCBs, PAHs, & Metals (HOLD)
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-217	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 140 feet north of SB-216		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/36"	6" Tan fine SAND, moist, no odor, no staining 24" Dark brown fine to medium SAND, little silt, trace fine to coarse gravel, coal, glass and slag, slightly moist, no odor, no staining 6" Rusty-brown FILL (ash, coal, slag, glass with fine sand matrix), moist, no odor, no staining		OS = bkg HS = bkg
5	S-2	48"/18"	12" Rusty-brown FILL (ash, coal, slag, glass with fine sand matrix), moist, no odor, no staining 6" Black Organic SILT (peat), wet, no odor, no staining		OS = bkg HS = bkg
9	S-3	48"/24"	24" Gray to tan-brown fine SAND, little silt and medium sand, trace fine to medium gravel, mottling, dense, wet, no odor, no staining		OS = bkg HS = bkg
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-217-2.5 @ 1220 for PCBs (HOLD)
2) SB-217-5 @ 1225 for PCBs, Homologs, Metals & PAHs
3) SB-217-11 @ 1235 for PCBs (HOLD: Metals & PAHs)
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-218	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 200 feet north of SB-217		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1–4	S-1	48"/24"	12" Dark brown fine SAND, some silt, trace fine gravel, coal, slag and brick, wet (from rain), no odor, no staining 8" Tan-brown fine SAND, little silt, moist, no odor, no staining 4" Dark brown to black fine SAND with silt, coal, slag, ash and plastic, moist, no odor, no staining		OS = bkg HS = bkg
5–8	S-2	48"/24"	2" Dark brown to black fine SAND with silt, coal, slag, ash and plastic, moist, no odor, no staining 2" Gray Ashy material (FILL) 8" Brown-gray fine SAND, some silt, moist, no odor, no staining 4" Pulverized GRAVEL 8" Orange-tan fine SAND, some silt, trace fine gravel, mottling, very moist to wet, no odor, no staining		OS = bkg HS = bkg
9–13	S-3	48"/40"	40" Tan to orange-brown fine to medium SAND, little coarse sand, trace fine to coarse gravel, dense, wet, no odor, no staining End of Boring 12 ft.		OS = bkg HS = bkg

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-218-2.5 @ 1325 for PCBs (HOLD)
2) SB-218-4.5 @ 1330 for PCBs
3) SB-218-10 @ 1340 for PCBs
4)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-219	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 130 feet north of SB-218		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: ~7 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 11 feet	Date Start: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/24"	18" Dark brown fine SAND, some silt, trace fine to coarse gravel, coal and ash, moist, no odor, no staining 6" Dark rusty-brown fine SAND with FILL material (ash, coal and glass), moist, no odor, no staining		OS = bkg HS = bkg
5	S-2	48"/40"	40" Gray-brown fine SAND, little medium to coarse sand, trace fine gravel, mottling, wet, dense, no odor, no staining	▼	OS = bkg HS = bkg
9	S-3	48"/30"	30" Gray fine to medium SAND, little coarse sand and fine to medium gravel, dense, wet, no odor, no staining		OS = bkg HS = bkg
12			End of Boring (Refusal at 11 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%; little 10-20%; some 20-35%; 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-219-2 @ 1350 for PCBs (HOLD)
2) SB-219-4 @ 1355 for PCBs, Metals & PAHs
3) SB-219-D @ 1255 (Duplicate of SB-219-4 for PCBs)
4) SB-219-9 @ 1405 for PCBs (HOLD: Metals & PAHs)
5)

TRC

Geoprobe Soil Log

Client/Project: City of New Bedford	Project No.: 115058	Boring No.: SB-221	Sheet: 1 of 1
		Well No.: NA	
Soil Gas Screening Number and AOC Location: Transect B – Approximately 200 feet north of SB-219		TRC Geologist: Jeff Saunders	
Geoprobe Contractor/Foreman: NEG / Bill Meadows	Geoprobe Make/Model: Model 5400Truck 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: 11 feet	Date Start: 6/17/08	Date Finish: 6/17/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/46"	2" ASPHALT 22" Gray-brown fine SAND, some silt, trace fine to coarse gravel, coal and glass 12" Gray fine SAND, some silt, trace fine gravel, moist, no odor, no staining 10" Orange-tan fine SAND, some silt, dense, no odor, no staining		OS = bkg HS = bkg
5	S-2	48"/36"	36" Tan fine SAND, some silt, little medium to coarse sand, trace fine gravel, moist to wet, no odor, no staining		OS = bkg HS = bkg
9	S-3	48"/24"	24" Tan fine SAND, some silt, loose (soupy), saturated, no odor, no staining		OS = bkg HS = bkg
11			End of Boring (Refusal at 11 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-221-2 @ 1425 for PCBs (HOLD)
2) SB-221-5 @ 1430 for PCBs, Metals & PAHs
3) SB-221-8.5 @ 1435 for PCBs (HOLD: Metals & PAHs)
4)
5)

APPENDIX C

SAMPLE RESULTS FROM LABORATORY REPORTS

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ANALYTICAL LABORATORY
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

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : **SB-210-5**

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : **08B21995** ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Acenaphthylene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Benzo(a)anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Benzo(a)pyrene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Chrysene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Fluoranthene	mg/kg dry wt	0.293	06/24/08	BGL	0.231			
Fluorene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
2-Methylnaphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Naphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Phenanthrene	mg/kg dry wt	ND	06/24/08	BGL	0.231			
Pyrene	mg/kg dry wt	0.337	06/24/08	BGL	0.231			
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

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

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

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

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ANALYTICAL LABORATORY
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

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-212-4
Sample ID : 08B21996

‡Sampled : 6/16/2008
Not Specified

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Acenaphthylene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Benzo(a)anthracene	mg/kg dry wt	0.284	06/24/08	BGL	0.218			
Benzo(a)pyrene	mg/kg dry wt	0.267	06/24/08	BGL	0.218			
Benzo(b)fluoranthene	mg/kg dry wt	0.363	06/24/08	BGL	0.218			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Chrysene	mg/kg dry wt	0.314	06/24/08	BGL	0.218			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Fluoranthene	mg/kg dry wt	0.450	06/24/08	BGL	0.218			
Fluorene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
2-Methylnaphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Naphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.218			
Phenanthrene	mg/kg dry wt	0.326	06/24/08	BGL	0.218			
Pyrene	mg/kg dry wt	0.437	06/24/08	BGL	0.218			
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.

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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

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : **SB-212-D**

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B21997 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Acenaphthylene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Benzo(a)anthracene	mg/kg dry wt	0.448	06/24/08	BGL	0.222			
Benzo(a)pyrene	mg/kg dry wt	0.435	06/24/08	BGL	0.222			
Benzo(b)fluoranthene	mg/kg dry wt	0.604	06/24/08	BGL	0.222			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Benzo(k)fluoranthene	mg/kg dry wt	0.237	06/24/08	BGL	0.222			
Chrysene	mg/kg dry wt	0.501	06/24/08	BGL	0.222			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Fluoranthene	mg/kg dry wt	0.810	06/24/08	BGL	0.222			
Fluorene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.261	06/24/08	BGL	0.222			
2-Methylnaphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Naphthalene	mg/kg dry wt	ND	06/24/08	BGL	0.222			
Phenanthrene	mg/kg dry wt	0.459	06/24/08	BGL	0.222			
Pyrene	mg/kg dry wt	0.599	06/24/08	BGL	0.222			
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

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

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-214-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22000 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/24/08	BGL	1.02			
Acenaphthylene	mg/kg dry wt	ND	06/24/08	BGL	1.02			
Anthracene	mg/kg dry wt	1.23	06/24/08	BGL	1.02			
Benzo(a)anthracene	mg/kg dry wt	3.95	06/24/08	BGL	1.02			
Benzo(a)pyrene	mg/kg dry wt	3.57	06/24/08	BGL	1.02			
Benzo(b)fluoranthene	mg/kg dry wt	4.25	06/24/08	BGL	1.02			
Benzo(g,h,i)perylene	mg/kg dry wt	1.49	06/24/08	BGL	1.02			
Benzo(k)fluoranthene	mg/kg dry wt	1.81	06/24/08	BGL	1.02			
Chrysene	mg/kg dry wt	3.97	06/24/08	BGL	1.02			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/24/08	BGL	1.02			
Fluoranthene	mg/kg dry wt	5.52	06/24/08	BGL	1.02			
Fluorene	mg/kg dry wt	ND	06/24/08	BGL	1.02			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.97	06/24/08	BGL	1.02			
2-Methylnaphthalene	mg/kg dry wt	ND	06/24/08	BGL	1.02			
Naphthalene	mg/kg dry wt	ND	06/24/08	BGL	1.02			
Phenanthrene	mg/kg dry wt	4.16	06/24/08	BGL	1.02			
Pyrene	mg/kg dry wt	5.90	06/24/08	BGL	1.02			
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.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received 6/18/2008
Field Sample # : SB-216-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22001

‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/25/08	BGL	0 186			
Acenaphthylene	mg/kg dry wt	ND	06/25/08	BGL	0.186			
Anthracene	mg/kg dry wt	0.197	06/25/08	BGL	0.186			
Benzo(a)anthracene	mg/kg dry wt	0.643	06/25/08	BGL	0.186			
Benzo(a)pyrene	mg/kg dry wt	0.698	06/25/08	BGL	0.186			
Benzo(b)fluoranthene	mg/kg dry wt	0.835	06/25/08	BGL	0.186			
Benzo(g,h,i)perylene	mg/kg dry wt	0.414	06/25/08	BGL	0.186			
Benzo(k)fluoranthene	mg/kg dry wt	0.339	06/25/08	BGL	0.186			
Chrysene	mg/kg dry wt	0.676	06/25/08	BGL	0.186			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/25/08	BGL	0.186			
Fluoranthene	mg/kg dry wt	1.60	06/25/08	BGL	0.186			
Fluorene	mg/kg dry wt	ND	06/25/08	BGL	0.186			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.490	06/25/08	BGL	0.186			
2-Methylnaphthalene	mg/kg dry wt	ND	06/25/08	BGL	0.186			
Naphthalene	mg/kg dry wt	ND	06/25/08	BGL	0.186			
Phenanthrene	mg/kg dry wt	0.799	06/25/08	BGL	0.186			
Pyrene	mg/kg dry wt	1.20	06/25/08	BGL	0.186			
Extraction Date 8270		6/19/2008	06/25/08	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.

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650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-217-5

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22002 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Acenaphthylene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Anthracene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Benzo(a)anthracene	mg/kg dry wt	0.643	06/26/08	BGL	0.229			
Benzo(a)pyrene	mg/kg dry wt	0.410	06/26/08	BGL	0.229			
Benzo(b)fluoranthene	mg/kg dry wt	0.710	06/26/08	BGL	0.229			
Benzo(g,h,i)perylene	mg/kg dry wt	0.367	06/26/08	BGL	0.229			
Benzo(k)fluoranthene	mg/kg dry wt	0.243	06/26/08	BGL	0.229			
Chrysene	mg/kg dry wt	0.810	06/26/08	BGL	0.229			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Fluoranthene	mg/kg dry wt	1.05	06/26/08	BGL	0.229			
Fluorene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.380	06/26/08	BGL	0.229			
2-Methylnaphthalene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Naphthalene	mg/kg dry wt	ND	06/26/08	BGL	0.229			
Phenanthrene	mg/kg dry wt	0.930	06/26/08	BGL	0.229			
Pyrene	mg/kg dry wt	1.11	06/26/08	BGL	0.229			
Extraction Date 8270		06/25/2008	06/26/08	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.

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LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-219-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGFOI

Sample ID : 08B22003 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Acenaphthylene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Anthracene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Benzo(a)anthracene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Benzo(a)pyrene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Chrysene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Fluoranthene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Fluorene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
2-Methylnaphthalene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Naphthalene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Phenanthrene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Pyrene	mg/kg dry wt	ND	06/25/08	BGL	1.14			
Extraction Date 8270		6/19/2008	06/25/08	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.

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LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-221-5

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22004 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acenaphthene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Acenaphthylene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Anthracene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Benzo(a)anthracene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Benzo(a)pyrene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Chrysene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Fluoranthene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Fluorene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
2-Methylnaphthalene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Naphthalene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Phenanthrene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Pyrene	mg/kg dry wt	ND	06/25/08	BGL	0.178			
Extraction Date 8270		6/19/2008	06/25/08	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.

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1D-1

PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060171
ELAP ID No:	11078	LRF ID:	08060171-18
Matrix:	Soil	Client ID:	SB-210-5
Sample wt(Dry)/vol:	8.4589 g	Lab Sample ID:	AL09987
Percent Moisture:	19.6	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/19/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/23/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-196-27

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-156-29

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0591	U
1	11104-28-2	Aroclor 1221	0.0591	U
1	11141-16-5	Aroclor 1232	0.0591	U
1	53469-21-9	Aroclor 1242	0.0591	U
1	12672-29-6	Aroclor 1248	0.0591	U
1	11097-69-1	Aroclor 1254	0.0591	U
1	11096-82-5	Aroclor 1260	0.0591	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/02/2008
Nea Lims Version 4.4.0.3

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060171
ELAP ID No:	11078	LRF ID:	08060171-19
Matrix:	Soil	Client ID:	SB-210-11
Sample wt(Dry)/vol:	8.5632 g	Lab Sample ID:	AL09988
Percent Moisture:	16.7	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/19/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/23/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-196-28

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-156-30

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0584	U
1	11104-28-2	Aroclor 1221	0.0584	U
1	11141-16-5	Aroclor 1232	0.0584	U
1	53469-21-9	Aroclor 1242	0.0584	U
1	12672-29-6	Aroclor 1248	0.0584	U
1	11097-69-1	Aroclor 1254	0.0584	U
1	11096-82-5	Aroclor 1260	0.0584	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:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-01
Matrix:	Soil	Client ID:	SB-211-5
Sample wt(Dry)/vol:	7.5487 g	Lab Sample ID:	AL09990
Percent Moisture:	29.0	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/25/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-16

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-16

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0662	U
1	11104-28-2	Aroclor 1221	0.0662	U
1	11141-16-5	Aroclor 1232	0.0662	U
1	53469-21-9	Aroclor 1242	0.0662	U
1	12672-29-6	Aroclor 1248	0.0662	U
1	11097-69-1	Aroclor 1254	0.0662	U
1	11096-82-5	Aroclor 1260	0.0662	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/03/2008
Nea Lims Version: 4.4.0.3

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-02
Matrix:	Soil	Client ID:	SB-211-11
Sample wt(Dry)/vol:	9.1769 g	Lab Sample ID:	AL09991
Percent Moisture:	11.3	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-19

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-19

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0545	U
1	11104-28-2	Aroclor 1221	0.0545	U
1	11141-16-5	Aroclor 1232	0.0545	U
1	53469-21-9	Aroclor 1242	0.0545	U
1	12672-29-6	Aroclor 1248	0.0545	U
1	11097-69-1	Aroclor 1254	0.0545	U
1	11096-82-5	Aroclor 1260	0.0545	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:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-04
Matrix:	Soil	Client ID:	SB-212-4
Sample wt(Dry)/vol:	7.6331 g	Lab Sample ID:	AL09993
Percent Moisture:	27.2	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-20

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-20

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0655	U
1	11104-28-2	Aroclor 1221	0.0655	U
1	11141-16-5	Aroclor 1232	0.0655	U
1	53469-21-9	Aroclor 1242	0.0655	U
1	12672-29-6	Aroclor 1248	0.0655	U
1	11097-69-1	Aroclor 1254	0.0655	U
1	11096-82-5	Aroclor 1260	0.0655	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/03/2008
Report Version 4.4.0.3

1D-1

PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-05
Matrix:	Soil	Client ID:	SB-212-10
Sample wt(Dry)/vol:	9.2359 g	Lab Sample ID:	AL09994
Percent Moisture:	13.4	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-21

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-21

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0541	U
1	11104-28-2	Aroclor 1221	0.0541	U
1	11141-16-5	Aroclor 1232	0.0541	U
1	53469-21-9	Aroclor 1242	0.0541	U
1	12672-29-6	Aroclor 1248	0.0541	U
1	11097-69-1	Aroclor 1254	0.0541	U
1	11096-82-5	Aroclor 1260	0.0541	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/03/2008
Nea Lims Version: 1.0.0.3

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-06
Matrix:	Soil	Client ID:	SB-212-D
Sample wt(Dry)/vol:	7.8768 g	Lab Sample ID:	AL09995
Percent Moisture:	23.8	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-22

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-22

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0635	U
1	11104-28-2	Aroclor 1221	0.0635	U
1	11141-16-5	Aroclor 1232	0.0635	U
1	53469-21-9	Aroclor 1242	0.0635	U
1	12672-29-6	Aroclor 1248	0.0635	U
1	11097-69-1	Aroclor 1254	0.0635	U
1	11096-82-5	Aroclor 1260	0.0635	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.

FORM I-CLP-PCB (NEA)

Print Date 07/03/2008
NexLims Version 4.4.0.3

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-12
Matrix:	Soil	Client ID:	SB-213-5
Sample wt(Dry)/vol:	9.0142 g	Lab Sample ID:	AL10001
Percent Moisture:	11.4	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-26

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-26

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0555	U
1	11104-28-2	Aroclor 1221	0.0555	U
1	11141-16-5	Aroclor 1232	0.0555	U
1	53469-21-9	Aroclor 1242	0.0555	U
1	12672-29-6	Aroclor 1248	0.0555	U
1	11097-69-1	Aroclor 1254	0.0555	U
1	11096-82-5	Aroclor 1260	0.0555	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.

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-13
Matrix:	Soil	Client ID:	SB-213-12
Sample wt(Dry)/vol:	9.1084 g	Lab Sample ID:	AL10002
Percent Moisture:	11.5	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-27

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-27

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0549	U
1	11104-28-2	Aroclor 1221	0.0549	U
1	11141-16-5	Aroclor 1232	0.0549	U
1	53469-21-9	Aroclor 1242	0.0549	U
1	12672-29-6	Aroclor 1248	0.0549	U
1	11097-69-1	Aroclor 1254	0.0549	U
1	11096-82-5	Aroclor 1260	0.0549	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.

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-15
Matrix:	Soil	Client ID:	SB-214-4
Sample wt(Dry)/vol:	8.2840 g	Lab Sample ID:	AL10004
Percent Moisture:	20.4	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-28

Column 2 Information:

GC Column: Phenomenex Capillary, Multi Residue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-28

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0604	U
1	11104-28-2	Aroclor 1221	0.0604	U
1	11141-16-5	Aroclor 1232	0.0604	U
1	53469-21-9	Aroclor 1242	0.0604	U
1	12672-29-6	Aroclor 1248	0.0604	U
1	11097-69-1	Aroclor 1254	0.225	AF
1	11096-82-5	Aroclor 1260	0.0604	U

Laboratory Qualifiers:

AF-Aroclor 1254 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.

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-16
Matrix:	Soil	Client ID:	SB-214-10
Sample wt(Dry)/vol:	3.8139 g	Lab Sample ID:	AL10005
Percent Moisture:	63.3	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-29

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-29

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.131	U
1	11104-28-2	Aroclor 1221	0.131	U
1	11141-16-5	Aroclor 1232	0.131	U
1	53469-21-9	Aroclor 1242	0.131	U
1	12672-29-6	Aroclor 1248	0.131	U
1	11097-69-1	Aroclor 1254	0.131	U
1	11096-82-5	Aroclor 1260	0.131	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.

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-18
Matrix:	Soil	Client ID:	SB-215-7.5
Sample wt(Dry)/vol:	8.1806 g	Lab Sample ID:	AL10007
Percent Moisture:	19.1	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-30

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-30

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0611	U
1	11104-28-2	Aroclor 1221	0.0611	U
1	11141-16-5	Aroclor 1232	0.0611	U
1	53469-21-9	Aroclor 1242	0.0611	U
1	12672-29-6	Aroclor 1248	0.0611	U
1	11097-69-1	Aroclor 1254	0.0611	U
1	11096-82-5	Aroclor 1260	0.0611	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.

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060172
ELAP ID No:	11078	LRF ID:	08060172-19
Matrix:	Soil	Client ID:	SB-215-9
Sample wt(Dry)/vol:	3.6158 g	Lab Sample ID:	AL10008
Percent Moisture:	64.2	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/23/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/26/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-198-31

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-158-31

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.138	U
1	11104-28-2	Aroclor 1221	0.138	U
1	11141-16-5	Aroclor 1232	0.138	U
1	53469-21-9	Aroclor 1242	0.138	U
1	12672-29-6	Aroclor 1248	0.138	U
1	11097-69-1	Aroclor 1254	0.138	U
1	11096-82-5	Aroclor 1260	0.138	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/03/2008
Nea Lims Version 4.4.0.3

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-01
Matrix:	Soil	Client ID:	SB-216-4
Sample wt(Dry)/vol:	9.5294 g	Lab Sample ID:	AL10010
Percent Moisture:	10.1	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-7

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-7

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0525	U
1	11104-28-2	Aroclor 1221	0.0525	U
1	11141-16-5	Aroclor 1232	0.0525	U
1	53469-21-9	Aroclor 1242	0.0525	U
1	12672-29-6	Aroclor 1248	0.0525	U
1	11097-69-1	Aroclor 1254	0.0525	U
1	11096-82-5	Aroclor 1260	0.0525	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/08/2008
Nea Lims Version : 4.4.0.3

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-04
Matrix:	Soil	Client ID:	SB-217-5
Sample wt(Dry)/vol:	7.6536 g	Lab Sample ID:	AL10013
Percent Moisture:	25.7	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
Injection Volume: 1.0 uL
Lab File ID: GC20F-197-8

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResi...e-2, 30m; ID: 0.25mm, 0.20um
Injection Volume: 1.0 uL
Lab File ID: GC20B-157-8

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0653	U
1	11104-28-2	Aroclor 1221	0.0653	U
1	11141-16-5	Aroclor 1232	0.0653	U
1	53469-21-9	Aroclor 1242	0.0653	U
1	12672-29-6	Aroclor 1248	0.0653	U
1	11097-69-1	Aroclor 1254	0.0653	U
1	11096-82-5	Aroclor 1260	0.0653	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/08/2008
Nea Lims Version

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-05
Matrix:	Soil	Client ID:	SB-217-11
Sample wt(Dry)/vol:	9.4350 g	Lab Sample ID:	AL10014
Percent Moisture:	7.30	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-9

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-9

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0530	U
1	11104-28-2	Aroclor 1221	0.0530	U
1	11141-16-5	Aroclor 1232	0.0530	U
1	53469-21-9	Aroclor 1242	0.0530	U
1	12672-29-6	Aroclor 1248	0.0530	U
1	11097-69-1	Aroclor 1254	0.0530	U
1	11096-82-5	Aroclor 1260	0.0530	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.

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-07
Matrix:	Soil	Client ID:	SB-218-4.5
Sample wt(Dry)/vol:	8.6066 g	Lab Sample ID:	AL10016
Percent Moisture:	17.3	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-10

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-10

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0581	U
1	11104-28-2	Aroclor 1221	0.0581	U
1	11141-16-5	Aroclor 1232	0.0581	U
1	53469-21-9	Aroclor 1242	0.0581	U
1	12672-29-6	Aroclor 1248	0.0581	U
1	11097-69-1	Aroclor 1254	0.158	AF
2	11096-82-5	Aroclor 1260	0.0843	AG

Laboratory Qualifiers:
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
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.

FORM I-CLP-PCB (NEA)

Print Date: 07/06/2008
Nea-Lims Version: 4.4.0.3

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-08
Matrix:	Soil	Client ID:	SB-218-10
Sample wt(Dry)/vol:	9.3694 g	Lab Sample ID:	AL10017
Percent Moisture:	12.0	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-11

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-11

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0534	U
1	11104-28-2	Aroclor 1221	0.0534	U
1	11141-16-5	Aroclor 1232	0.0534	U
1	53469-21-9	Aroclor 1242	0.0534	U
1	12672-29-6	Aroclor 1248	0.0534	U
1	11097-69-1	Aroclor 1254	0.0534	U
1	11096-82-5	Aroclor 1260	0.0534	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/09/2008

Regs Limits Version: 4.4.0.3

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PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-10
Matrix:	Soil	Client ID:	SB-219-4
Sample wt(Dry)/vol:	7.6108 g	Lab Sample ID:	AL10019
Percent Moisture:	23.9	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1 30m; ID 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-15

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-15

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0657	U
1	11104-28-2	Aroclor 1221	0.0657	U
1	11141-16-5	Aroclor 1232	0.0657	U
1	53469-21-9	Aroclor 1242	0.0657	U
1	12672-29-6	Aroclor 1248	0.0657	U
1	11097-69-1	Aroclor 1254	0.0657	U
1	11096-82-5	Aroclor 1260	0.0657	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/06/2008
Nea Lims Version: 4.6.0.3

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-11
Matrix:	Soil	Client ID:	SB-219-9
Sample wt(Dry)/vol:	9.3109 g	Lab Sample ID:	AL10020
Percent Moisture:	10.1	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-16

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-16

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0537	U
1	11104-28-2	Aroclor 1221	0.0537	U
1	11141-16-5	Aroclor 1232	0.0537	U
1	53469-21-9	Aroclor 1242	0.0537	U
1	12672-29-6	Aroclor 1248	0.0537	U
1	11097-69-1	Aroclor 1254	0.0537	U
1	11096-82-5	Aroclor 1260	0.0537	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.

FORM I-CLP-PCB (NEA)

Print Date 07/06/2008
[illegible] Version [illegible]

1D-1

PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-12
Matrix:	Soil	Client ID:	SB-219-D
Sample wt(Dry)/vol:	7.3449 g	Lab Sample ID:	AL10021
Percent Moisture:	27.4	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-17

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-17

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0681	U
1	11104-28-2	Aroclor 1221	0.0681	U
1	11141-16-5	Aroclor 1232	0.0681	U
1	53469-21-9	Aroclor 1242	0.0681	U
1	12672-29-6	Aroclor 1248	0.0681	U
1	11097-69-1	Aroclor 1254	0.0681	U
1	11096-82-5	Aroclor 1260	0.0681	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.

FORM I-CLP-PCB (NEA)

Print Date: 07/06/2008
Nea Lims Version: 4.4.6G

1D-1

PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-14
Matrix:	Soil	Client ID:	SB-221-5
Sample wt(Dry)/vol:	9.4080 g	Lab Sample ID:	AL10023
Percent Moisture:	7.10	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-18

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-18

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0531	U
1	11104-28-2	Aroclor 1221	0.0531	U
1	11141-16-5	Aroclor 1232	0.0531	U
1	53469-21-9	Aroclor 1242	0.0531	U
1	12672-29-6	Aroclor 1248	0.0531	U
1	11097-69-1	Aroclor 1254	0.0531	U
1	11096-82-5	Aroclor 1260	0.0531	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:	Northeast Analytical, Inc.	SDG No:	08060173
ELAP ID No:	11078	LRF ID:	08060173-15
Matrix:	Soil	Client ID:	SB-221-8.5
Sample wt(Dry)/vol:	9.7192 g	Lab Sample ID:	AL10024
Percent Moisture:	9.20	Date Received:	06/19/2008
Extraction:	SOXHLET	Date Extracted:	06/20/2008
Conc. Extract Volume:	25000 uL	Date Analyzed:	06/24/2008
Method:	SW-846 8082 (PCB)	Dilution Factor:	1
		Sulfur Cleanup:	YES

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um

Injection Volume: 1.0 uL

Lab File ID: GC20F-197-19

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um

Injection Volume: 1.0 uL

Lab File ID: GC20B-157-19

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0514	U
1	11104-28-2	Aroclor 1221	0.0514	U
1	11141-16-5	Aroclor 1232	0.0514	U
1	53469-21-9	Aroclor 1242	0.0514	U
1	12672-29-6	Aroclor 1248	0.0514	U
1	11097-69-1	Aroclor 1254	0.0514	U
1	11096-82-5	Aroclor 1260	0.0514	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.

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
07/07/2008
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	SB-217-5	**NEA ID:** AL10013	**NEA LRF:** 08060173-04
MATRIX:	SOIL	**DATE SAMPLED:** 06/17/2008	**TIME:** 12:25
DATE RECEIVED:	06/19/2008 **TIME:** 10:12	**PROJECT:**	CITY OF NEW BEDFORD
SAMPLED BY:	C. FOSTER	**LOCATION:**	NEW BEDFORD
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078
METHOD:	PCB by EPA Method 680 GCMS	**DATE ANALYZED:**	06/26/2008

HOMOLOG GROUP	CAS NUMBER	AMOUNT	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	27323-18-8	ND	0.017	mg/kg	ND
Dichlorobiphenyl	25512-42-9	ND	0.017	mg/kg	ND
Trichlorobiphenyl	25323-68-6	ND	0.017	mg/kg	ND
Tetrachlorobiphenyl	26914-33-0	ND	0.033	mg/kg	ND
Pentachlorobiphenyl	25429-29-2	ND	0.033	mg/kg	ND
Hexachlorobiphenyl	26601-64-9	ND	0.033	mg/kg	ND
Heptachlorobiphenyl	28655-71-2	ND	0.050	mg/kg	ND
Octachlorobiphenyl	55722-26-4	ND	0.050	mg/kg	ND
Nonachlorobiphenyl	53742-07-7	ND	0.083	mg/kg	ND
Decachlorobiphenyl	2051-24-3	ND	0.083	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. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-210-5

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B21995 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.53			
Arsenic	mg/kg dry wt	12.3	06/24/08	OP	3.46			
Barium	mg/kg dry wt	260	06/24/08	OP	6.91			
Beryllium	mg/kg dry wt	0.64	06/24/08	OP	0.35			
Cadmium	mg/kg dry wt	0.49	06/24/08	OP	0.35			
Chromium	mg/kg dry wt	16.3	06/24/08	OP	0.70			
Lead	mg/kg dry wt	510	06/24/08	OP	1.04			
Nickel	mg/kg dry wt	15.8	06/24/08	OP	0.70			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.91			
Silver	mg/kg dry wt	4.13	06/24/08	OP	0.70			
Thallium	mg/kg dry wt	ND	06/24/08	OP	4.15			
Vanadium	mg/kg dry wt	34.5	06/24/08	OP	6.91			
Zinc	mg/kg dry wt	371	06/24/08	OP	1.39			

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

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

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

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

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6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-212-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B21996 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.23			
Arsenic	mg/kg dry wt	16.9	06/24/08	OP	3.27			
Barium	mg/kg dry wt	697	06/24/08	OP	6.53			
Beryllium	mg/kg dry wt	0.57	06/24/08	OP	0.33			
Cadmium	mg/kg dry wt	1.96	06/24/08	OP	0.33			
Chromium	mg/kg dry wt	16.0	06/24/08	OP	0.66			
Lead	mg/kg dry wt	2420	06/24/08	OP	0.98			
Nickel	mg/kg dry wt	16.1	06/24/08	OP	0.66			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.53			
Silver	mg/kg dry wt	5.82	06/24/08	OP	0.66			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.92			
Vanadium	mg/kg dry wt	27.3	06/24/08	OP	6.53			
Zinc	mg/kg dry wt	483	06/24/08	OP	1.31			

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

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6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : **SB-212-D**
Sample ID : **08B21997**

‡Sampled : 6/16/2008
Not Specified

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.33			
Arsenic	mg/kg dry wt	18.4	06/24/08	OP	3.33			
Barium	mg/kg dry wt	707	06/24/08	OP	6.66			
Beryllium	mg/kg dry wt	0.66	06/24/08	OP	0.34			
Cadmium	mg/kg dry wt	1.38	06/24/08	OP	0.34			
Chromium	mg/kg dry wt	17.6	06/24/08	OP	0.67			
Lead	mg/kg dry wt	5580	06/24/08	OP	1.00			
Nickel	mg/kg dry wt	18.3	06/24/08	OP	0.67			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.66			
Silver	mg/kg dry wt	4.30	06/24/08	OP	0.67			
Thallium	mg/kg dry wt	ND	06/24/08	OP	4.00			
Vanadium	mg/kg dry wt	31.4	06/24/08	OP	6.66			
Zinc	mg/kg dry wt	428	06/24/08	OP	1.34			

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

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LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-214-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22000 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	4.89			
Arsenic	mg/kg dry wt	7.20	06/24/08	OP	3.06			
Barium	mg/kg dry wt	211	06/24/08	OP	6.11			
Beryllium	mg/kg dry wt	0.36	06/24/08	OP	0.31			
Cadmium	mg/kg dry wt	1.54	06/24/08	OP	0.31			
Chromium	mg/kg dry wt	11.7	06/24/08	OP	0.62			
Lead	mg/kg dry wt	561	06/24/08	OP	0.92			
Nickel	mg/kg dry wt	73.6	06/24/08	OP	0.62			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.11			
Silver	mg/kg dry wt	3.03	06/24/08	OP	0.62			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.67			
Vanadium	mg/kg dry wt	17.6	06/24/08	OP	6.11			
Zinc	mg/kg dry wt	445	06/24/08	OP	1.23			

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

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6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-216-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22001 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	4.45			
Arsenic	mg/kg dry wt	3 51	06/24/08	OP	2.78			
Barium	mg/kg dry wt	31.9	06/24/08	OP	5.56			
Beryllium	mg/kg dry wt	ND	06/24/08	OP	0.28			
Cadmium	mg/kg dry wt	ND	06/24/08	OP	0.28			
Chromium	mg/kg dry wt	5 27	06/24/08	OP	0.56			
Lead	mg/kg dry wt	55.3	06/24/08	OP	0.84			
Nickel	mg/kg dry wt	3.72	06/24/08	OP	0.56			
Selenium	mg/kg dry wt	ND	06/24/08	OP	5.56			
Silver	mg/kg dry wt	1.23	06/24/08	OP	0.56			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.34			
Vanadium	mg/kg dry wt	9.43	06/24/08	OP	5.56			
Zinc	mg/kg dry wt	43.6	06/24/08	OP	1.12			

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

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6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-217-5

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22002 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.50			
Arsenic	mg/kg dry wt	15.3	06/24/08	OP	3.44			
Barium	mg/kg dry wt	513	06/24/08	OP	6.87			
Beryllium	mg/kg dry wt	0.87	06/24/08	OP	0.35			
Cadmium	mg/kg dry wt	1.14	06/24/08	OP	0.35			
Chromium	mg/kg dry wt	13.5	06/24/08	OP	0.69			
Lead	mg/kg dry wt	418	06/24/08	OP	1.04			
Nickel	mg/kg dry wt	26.3	06/24/08	OP	0.69			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.87			
Silver	mg/kg dry wt	7.72	06/24/08	OP	0.69			
Thallium	mg/kg dry wt	ND	06/24/08	OP	4.13			
Vanadium	mg/kg dry wt	23.3	06/24/08	OP	6.87			
Zinc	mg/kg dry wt	560	06/24/08	OP	1.38			

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

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650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-219-4

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B22003 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	5.45			
Arsenic	mg/kg dry wt	17.3	06/24/08	OP	3.41			
Barium	mg/kg dry wt	337	06/24/08	OP	6.82			
Beryllium	mg/kg dry wt	ND	06/24/08	OP	0.35			
Cadmium	mg/kg dry wt	2.92	06/24/08	OP	0.35			
Chromium	mg/kg dry wt	35 9	06/24/08	OP	0.69			
Lead	mg/kg dry wt	1500	06/24/08	OP	1.03			
Nickel	mg/kg dry wt	28.9	06/24/08	OP	0.69			
Selenium	mg/kg dry wt	ND	06/24/08	OP	6.82			
Silver	mg/kg dry wt	12.2	06/24/08	OP	0.69			
Thallium	mg/kg dry wt	ND	06/24/08	OP	4.09			
Vanadium	mg/kg dry wt	28.5	06/24/08	OP	6.82			
Zinc	mg/kg dry wt	579	06/24/08	OP	1 37			

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

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-221-5
Sample ID : 08B22004
‡Sampled : 6/17/2008
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Antimony	mg/kg dry wt	ND	06/24/08	OP	4.27			
Arsenic	mg/kg dry wt	ND	06/24/08	OP	2.67			
Barium	mg/kg dry wt	27.8	06/24/08	OP	5.34			
Beryllium	mg/kg dry wt	ND	06/24/08	OP	0.27			
Cadmium	mg/kg dry wt	ND	06/24/08	OP	0.27			
Chromium	mg/kg dry wt	8.59	06/24/08	OP	0.54			
Lead	mg/kg dry wt	2.49	06/24/08	OP	0.80			
Nickel	mg/kg dry wt	4.95	06/24/08	OP	0.54			
Selenium	mg/kg dry wt	ND	06/24/08	OP	5.34			
Silver	mg/kg dry wt	1.11	06/24/08	OP	0.54			
Thallium	mg/kg dry wt	ND	06/24/08	OP	3.20			
Vanadium	mg/kg dry wt	12.0	06/24/08	OP	5.34			
Zinc	mg/kg dry wt	12.3	06/24/08	OP	1.07			

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.

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

6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : [redacted]

LIMS-BAT #: LIMT-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 Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	0.096	06/20/08	SPL	0.021			

Field Sample # : [redacted]
Sample ID : 08B21993 ‡Sampled : 6/16/2008
Not Specified
Sample Matrix: SOIL

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

Field Sample # : [redacted]
Sample ID : 08B21994 ‡Sampled : 6/16/2008
Not Specified
Sample Matrix: SOIL

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

Field Sample # : SB-210-5
Sample ID : 08B21995 ‡Sampled : 6/16/2008
Not Specified
Sample Matrix: SOIL

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

Field Sample # : SB-212-4
Sample ID : 08B21996 ‡Sampled : 6/16/2008
Not Specified
Sample Matrix: SOIL

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

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6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
Field Sample # : SB-212-D

LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Sample ID : 08B21997 ‡Sampled : 6/16/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	2.47	06/20/08	SPL	0.127			

Field Sample # : SB-214-4
Sample ID : 08B22000 ‡Sampled : 6/17/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	0.272	06/20/08	SPL	0.025			

Field Sample # : SB-216-4
Sample ID : 08B22001 ‡Sampled : 6/17/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	0.446	06/20/08	SPL	0.022			

Field Sample # : SB-217-5
Sample ID : 08B22002 ‡Sampled : 6/17/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	0.111	06/20/08	SPL	0.024			

Field Sample # : SB-219-4
Sample ID : 08B22003 ‡Sampled : 6/17/2008
Not Specified
Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	0.281	06/20/08	SPL	0.021			

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6/27/2008

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 6/18/2008
LIMS-BAT #: LIMT-16916
Job Number: 115058(EDGEOFF

Field Sample # : [redacted]

Sample ID : 08B21998 ‡Sampled 6/16/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	0.038	06/20/08	SPL	0.021			

Field Sample # : [redacted]

Sample ID : 08B21999 ‡Sampled : 6/16/2008
Not Specified

Sample Matrix: SOIL

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

Field Sample # : SB-221-5

Sample ID : 08B22004 ‡Sampled : 6/17/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Mercury	mg/kg dry wt	ND	06/20/08	SPL	0.014			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

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NM = Not Measured

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