



DATA SUMMARY REPORT

Transect "E" New Bedford, Massachusetts

Prepared for:

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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 May 2008 along the City of New Bedford (City) Right-of-Way (ROW) along Parker Street in New Bedford, Massachusetts (see Figures 1 and 2). Work performed by TRC was conducted in accordance with a TRC-prepared scope of work (Work Order No. 14) approved by 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). At locations along this route, the May 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, c, d, and e) and by TRC in 2007 and 2008 in the surrounding area (TRC 2008a, b, c).

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

Summary of Investigation Activities – Transect E – June 2008					
Location	Soil Borings	Number of Soil Samples Submitted for Laboratory Analysis	Analyses ¹		
			PCBs ²	PAHs ³	MCP Metals/Hg ⁴
Transect E	9	22	22	9	10

Notes:

¹Does not include quality control (QC) samples.

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

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

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

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

As noted below, TRC advanced nine (9) soil borings along Transect E on May 28, 2008 using a truck-mounted Geoprobe®. These nine soil borings were identified as SB-155 through 163. 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-155	5/28/2008	12	1, 2, 7, (11)	Model 5400 Truck Rig
SB-156	5/28/2008	12	1, 4, (7), (11)	Model 5400 Truck Rig
SB-157	5/28/2008	12	1, 5.5, (8), (12)	Model 5400 Truck Rig
SB-158	5/28/2008	12	1, 6, (9), (12)	Model 5400 Truck Rig
SB-159	5/28/2008	11	1, 4, 7, (10)	Model 5400 Truck Rig

Soil Boring	Date Advanced	Total Depth (ft bgs)	Depths Submitted for Laboratory Analysis* (ft bgs)	Drill Rig
SB-160	5/28/2008	12	1, 3, 6, (10)	Model 5400 Truck Rig
SB-161	5/28/2008	12	1, 4.5, (8), (11)	Model 5400 Truck Rig
SB-162	5/28/2008	7.5	1, 3, 7.5	Model 5400 Truck Rig
SB-163	5/28/2008	12	1, 6, (10.5)	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 “E” 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 “E”.

Fourteen 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 E									
Contaminant	Sample I.D.	Sample Depth (feet)	Concentration (mg/kg)	Regulatory Criteria for Soil					TSCA PCB
				Massachusetts Contingency Plan					
				S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	
Acenaphthylene	SB-160	3	128	600	10	600	10	1	N/A
Acenaphthylene	SB-163	6	2.83	600	10	600	10	1	N/A
Benzo(a)anthracene	SB-160	3	178	7	7	40	40	7	N/A
Benzo(a)anthracene	SB-163	6	12.2	7	7	40	40	7	N/A
Benzo(a)pyrene	SB-155	2	3.24	2	2	4	4	2	N/A
Benzo(a)pyrene	SB-160	3	255	0	2	4	4	2	N/A
Benzo(a)pyrene	SB-163	6	13.5	2	2	4	4	2	N/A
Benzo(b)fluoranthene	SB-160	3	374	7	7	40	40	7	N/A
Benzo(b)fluoranthene	SB-163	6	15.8	7	7	40	40	7	N/A
Benzo(k)fluoranthene	SB-160	3	89.9	70	70	400	400	70	N/A
Chrysene	SB-160	3	195	70	70	400	400	70	N/A
Dibenz(a,h)anthracene	SB-160	3	37.5	0.7	0.7	4	4	0.7	N/A
Dibenz(a,h)anthracene	SB-163	6	1.25	0.7	0.7	4	4	0.7	N/A

Summary of Soil Contaminants in Excess of Regulatory Criteria – Transect E

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	
Indeno(1,2,3-cd)pyrene	SB-160	3	193	7	7	40	40	7	N/A
Indeno(1,2,3-cd)pyrene	SB-163	6	8.52	7	7	40	40	7	N/A
2-Methylnaphthalene	SB-160	3	1,890	80	300	80	500	0.7	N/A
Naphthalene	SB-160	3	9,830	40	500	40	1,000	4	N/A
Phenanthrene	SB-160	3	1,330	500	500	1,000	1,000	10	N/A
Arsenic	SB-160	3	40	20	20	20	20	20	N/A
Chromium	SB-162	3	69.7	30	30	200	200	30	N/A
Lead	SB-161	4.5	845	300	300	300	300	300	N/A

Notes:

N/A – Not Applicable

mg/kg – milligrams per kilogram

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

4.0 ANALYTICAL SUPPORT AND DATA VALIDATION, EVALUATION, AND MANAGEMENT

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

Metals, PAH, and PCB 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, Volume I of II. Properties Located on: Greenwood Street, Ruggles Street, Durfee Street, New Bedford, Massachusetts.* Prepared for: City of New Bedford, 133 William Street, New Bedford, Massachusetts. Prepared by: BETA Group, Incorporated, Norwood, Massachusetts. March 15, 2006.
- BETA, 2006c. *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, 2006d. *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.
- BETA, 2006e. *Summary of Analytical Data – Keith Junior 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.
- Burmister, 1958. *Suggested Methods of Tests for Identification of Soils.* In: Procedures for Testing Soils. American Society for Testing and Materials, Philadelphia, PA, 1958.
- TRC 2008a *Data Summary Report – City Properties/Rights-of-Way, New Bedford, Massachusetts.* Prepared for: City of New Bedford. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. March 2008.
- TRC 2008b *Data Summary Report – 129 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. June 2008.
- TRC 2008c *Letter Report. Results of Soil Sampling for 363 Parker Street, New Bedford, Massachusetts.* Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. June 9, 2008.

TABLES

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

Analysis	Analyte	Sample Location:						SB-155			SB-156		SB-157		SB-158		SB-159		
		Sample Depth (ft.):						1	2	7	1	4	1	5.5	1	6	1	4	7
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008
PAHs (mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	NA	1.05	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Acenaphthylene	600	10	600	10	1	N/A	NA	0.365	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	NA	2.70	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	NA	4.88	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	NA	3.24	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	NA	4.59	NA	0.214	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	NA	2.24	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	NA	2.52	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Chrysene	70	70	400	400	70	N/A	NA	3.43	NA	0.186	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	NA	0.229	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	NA	7.70	NA	0.202	NA	NA	0.236 U	NA	0.234 U	NA	0.202	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	NA	0.793	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	NA	2.54	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	NA	0.342	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Naphthalene	40	500	40	1,000	4	N/A	NA	0.219	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	NA	8.77	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	NA	8.47	NA	0.183 U	NA	NA	0.236 U	NA	0.234 U	NA	0.201 U	NA
PCBs (mg/kg)	Aroclor 1016	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.0533 U	0.0642 U	0.0534 U	0.0664 U	0.0558 U	0.0556 U	0.0722 U
	Aroclor 1221	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.0533 U	0.0642 U	0.0534 U	0.0664 U	0.0558 U	0.0556 U	0.0722 U
	Aroclor 1232	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.0533 U	0.0642 U	0.0534 U	0.0664 U	0.0558 U	0.0556 U	0.0722 U
	Aroclor 1242	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.0533 U	0.0642 U	0.0534 U	0.0664 U	0.0558 U	0.0556 U	0.0722 U
	Aroclor 1248	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.0533 U	0.0642 U	0.0534 U	0.0664 U	0.0558 U	0.0556 U	0.0722 U
	Aroclor 1254	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.0533 U	0.0642 U	0.332 J	0.0664 U	0.0558 U	0.0556 U	0.0722 U
	Aroclor 1260	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.177 J	0.0642 U	0.0862 J	0.0664 U	0.209 J	0.0556 U	0.0722 U
Total PCBs	2	2	3	3	2	1	0.0580 U	0.0543 U	0.0533 U	0.0545 U	0.0508 U	0.177 J	0.0642 U	0.4182 J	0.0664 U	0.209 J	0.0556 U	0.0722 U	
PCB Homologs (mg/kg)	Monochlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.013 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.013 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.013 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.040 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Octachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.040 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nonachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.067 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Decachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	0.067 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	2	2	3	3	2	1	NA	0.067 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals (mg/kg)	Antimony	20	20	30	30	20	N/A	NA	4.44 U	NA	4.40 U	NA	NA	5.66 U	4.41 U	5.60 U	NA	4.81 U	NA
	Arsenic	20	20	20	20	20	N/A	NA	13.7	NA	5.74	NA	NA	4.47	5.67	3.50 U	NA	5.96	NA
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	27.6	NA	25.7	NA	NA	27.7	18.9	14.7	NA	20.7	NA
	Beryllium	100	100	200	200	100	N/A	NA	0.28 U	NA	0.28 U	NA	NA	1.02	0.28 U	0.82	NA	0.31 U	NA
	Cadmium	2	2	30	30	2	N/A	NA	0.28 U	NA	0.28 U	NA	NA	0.39	0.28 U	0.35 U	NA	0.31 U	NA
	Chromium	30	30	200	200	30	N/A	NA	7.39	NA	4.96	NA	NA	3.59	6.97	2.77	NA	7.69	NA
	Lead	300	300	300	300	300	N/A	NA	20.4	NA	19.9	NA	NA	17.8	61.9	3.74	NA	32.1	NA
	Nickel	20	20	700	700	20	N/A	NA	5.43	NA	3.31	NA	NA	5.92	4.13	1.62	NA	3.91	NA
	Selenium	400	400	800	800	400	N/A	NA	5.55 U	NA	5.49 U	NA	NA	7.08 U	5.51 U	7.00 U	NA	6.01 U	NA
	Silver	100	100	200	200	100	N/A	NA	1.23	NA	0.65	NA	NA	1.01	0.79	0.70 U	NA	1.07	NA
	Thallium	8	8	60	60	8	N/A	NA	3.33 U	NA	3.30 U	NA	NA	4.25 U	3.31 U	4.20 U	NA	3.61 U	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	16.0	NA	9.37	NA	NA	7.08 U	13.2	7.00 U	NA	13.1	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	26.0	NA	22.3	NA	NA	30.4	29.3	11.1	NA	17.9	NA
	Mercury	20	20	30	30	20	N/A	NA	0.161	NA	0.145	NA	NA	0.034	0.050	0.020	NA	0.133	NA

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

Analysis	Analyte	Sample Location:						SB-160				SB-161		SB-162			SB-163			
		S-1/GW-2		S-1/GW-3		S-2/GW-3		RC S-1	TSCA	1	3	3	6	1	4.5	1	3	7.5	1	6
		Sample Depth (ft.):		Sample Date:		Sample Date:		Sample Date:		5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008
PAHs (mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	NA	25.3	35.2	NA	NA	0.214 U	NA	0.198 U	NA	NA	NA	3.58	
	Acenaphthylene	600	10	600	10	1	N/A	NA	79.0	128	NA	NA	0.214 U	NA	0.198 U	NA	NA	NA	2.83	
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	NA	121	159	NA	NA	0.214 U	NA	0.198 U	NA	NA	NA	8.30	
	Benzo(a)anthracene	7	7	40	40	7	N/A	NA	133	178	NA	NA	1.16	NA	0.450	NA	NA	NA	12.2	
	Benzo(a)pyrene	2	2	4	4	2	N/A	NA	161	255	NA	NA	1.50	NA	0.688	NA	NA	NA	13.5	
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	NA	217	374	NA	NA	1.73	NA	0.769	NA	NA	NA	15.8	
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	NA	154	216	NA	NA	1.10	NA	0.606	NA	NA	NA	7.74	
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	NA	68.1	89.9	NA	NA	0.595	NA	0.281	NA	NA	NA	5.26	
	Chrysene	70	70	400	400	70	N/A	NA	128	195	NA	NA	1.42	NA	0.553	NA	NA	NA	12.4	
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	NA	19.2	37.5	NA	NA	0.214 U	NA	0.198 U	NA	NA	NA	1.25	
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	NA	528	794	NA	NA	2.53	NA	1.40	NA	NA	NA	20.4	
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	NA	111	127	NA	NA	0.214 U	NA	0.198 U	NA	NA	NA	4.13	
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	NA	133	193	NA	NA	1.05	NA	0.595	NA	NA	NA	8.52	
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	NA	1,890	1,760	NA	NA	0.214 U	NA	0.198 U	NA	NA	NA	3.23	
	Naphthalene	40	500	40	1,000	4	N/A	NA	6,660	9,830	NA	NA	1.12	NA	0.198 U	NA	NA	NA	6.97	
	Phenanthrene	500	500	1,000	1,000	10	N/A	NA	900	1,330	NA	NA	1.72	NA	0.955	NA	NA	NA	22.8	
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	NA	571	860	NA	NA	2.35	NA	1.35	NA	NA	NA	21.0	
PCBs (mg/kg)	Aroclor 1016	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.0549 U	0.0699 U	0.0528 U	0.0617 U	0.0559 U	0.0530 U	0.0653 U		
	Aroclor 1221	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.0549 U	0.0699 U	0.0528 U	0.0617 U	0.0559 U	0.0530 U	0.0653 U		
	Aroclor 1232	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.0549 U	0.0699 U	0.0528 U	0.0617 U	0.0559 U	0.0530 U	0.0653 U		
	Aroclor 1242	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.0549 U	0.0699 U	0.0528 U	0.0617 U	0.0559 U	0.0530 U	0.0653 U		
	Aroclor 1248	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.0549 U	0.0699 U	0.0528 U	0.0617 U	0.0559 U	0.0530 U	0.0653 U		
	Aroclor 1254	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.297 J	0.0699 U	0.173 J	0.0617 U	0.0559 U	0.0929 J	0.0653 U		
	Aroclor 1260	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.184 J	0.0699 U	0.0528 U	0.0617 U	0.0559 U	0.151 J	0.0653 U		
Total PCBs	2	2	3	3	2	I	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U	0.481 J	0.0699 U	0.173 J	0.0617 U	0.0559 U	0.2439 J	0.0653 U			
PCB Homologs (mg/kg)	Monochlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.015 U	NA	NA	NA		
	Dichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.015 U	NA	NA	NA		
	Trichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.015 U	NA	NA	NA		
	Tetrachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA	NA		
	Pentachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA	NA		
	Hexachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.031 U	NA	NA	NA		
	Heptachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.046 U	NA	NA	NA		
	Octachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.046 U	NA	NA	NA		
	Nonachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.077 U	NA	NA	NA		
	Decachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	0.077 U	NA	NA	NA		
Total PCBs	2	2	3	3	2	I	NA	NA	NA	NA	NA	NA	NA	0.077 U	NA	NA	NA			
Metals (mg/kg)	Antimony	20	20	30	30	20	N/A	NA	5.51 U	5.37 U	NA	NA	5.14 U	NA	4.75 U	NA	NA	4.80 U		
	Arsenic	20	20	20	20	20	N/A	NA	40.0	33.2	NA	NA	9.01	NA	7.33	NA	NA	5.72		
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	29.4	29.1	NA	NA	291	NA	221	NA	NA	72.9		
	Beryllium	100	100	200	200	100	N/A	NA	0.35 U	0.34 U	NA	NA	0.51	NA	0.53	NA	NA	0.30 U		
	Cadmium	2	2	30	30	2	N/A	NA	0.49	0.42	NA	NA	0.59	NA	0.35	NA	NA	0.54		
	Chromium	30	30	200	200	30	N/A	NA	12.1	9.75	NA	NA	13.3	NA	69.7	NA	NA	11.0		
	Lead	300	300	300	300	300	N/A	NA	68.2	67.1	NA	NA	845	NA	206	NA	NA	277		
	Nickel	20	20	700	700	20	N/A	NA	10.9	7.00	NA	NA	11.3	NA	9.10	NA	NA	5.45		
	Selenium	400	400	800	800	400	N/A	NA	6.88 U	6.71 U	NA	NA	6.42 U	NA	5.94 U	NA	NA	5.99 U		
	Silver	100	100	200	200	100	N/A	NA	11.1	8.96	NA	NA	2.74	NA	0.66	NA	NA	1.97		
	Thallium	8	8	60	60	8	N/A	NA	4.13 U	4.03 U	NA	NA	3.86 U	NA	3.56 U	NA	NA	3.60 U		
	Vanadium	600	600	1,000	1,000	600	N/A	NA	39.4	34.3	NA	NA	19.4	NA	16.2	NA	NA	14.0		
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	16.8	10.7	NA	NA	287	NA	113	NA	NA	241		
	Mercury	20	20	30	30	20	N/A	NA	0.090	0.088	NA	NA	0.106	NA	0.085	NA	NA	0.188		

Table 1
Summary of Analytical Results for Soil Samples - May 2008
Transect E
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.

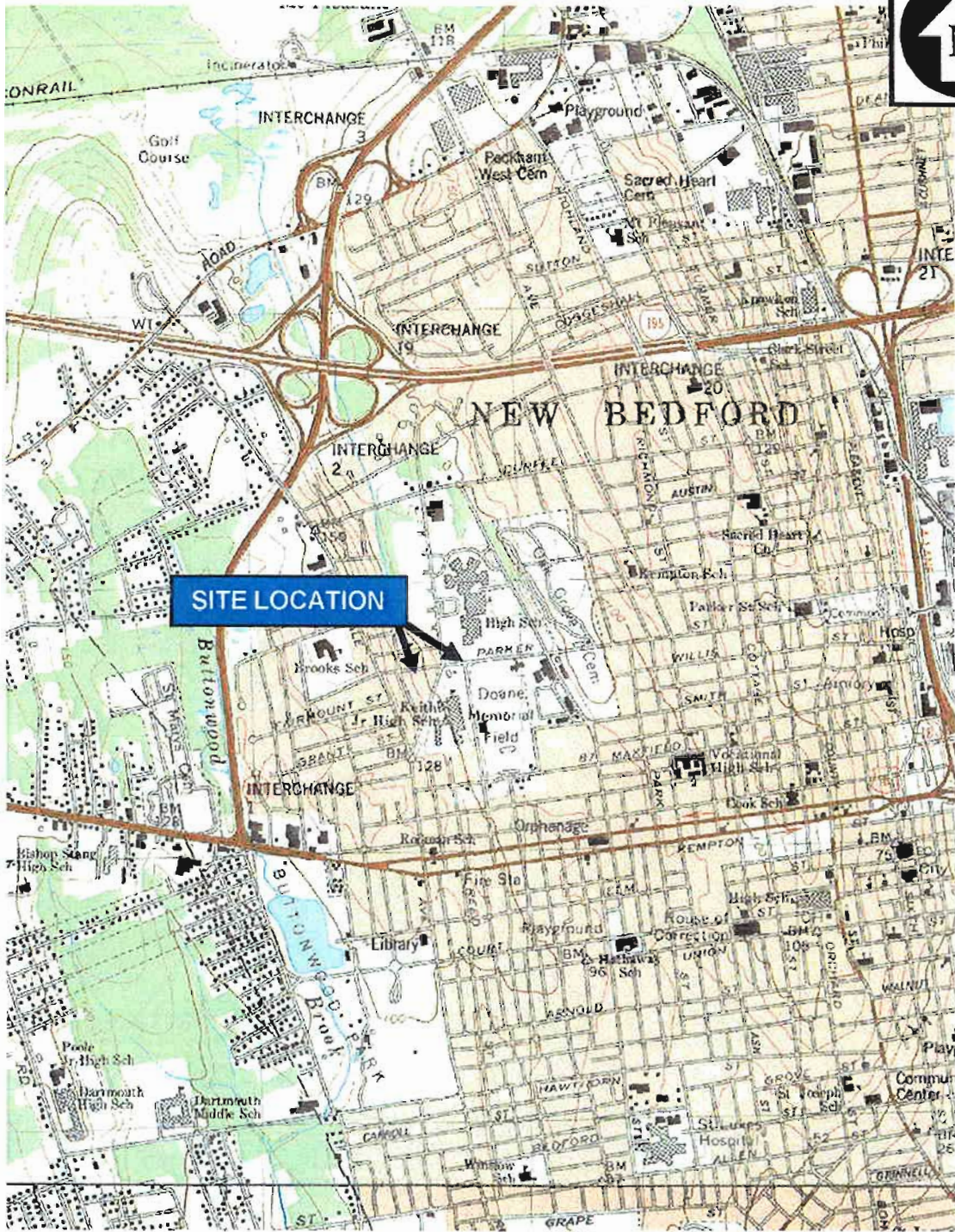
PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

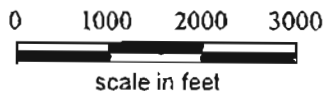
RC - Reportable Concentration.

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



QUADRANGLE
 LOCATION

TRANSECT E
 NEW BEDFORD, MASSACHUSETTS

SITE LOCATION MAP



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

FIGURE
 1

Drawn: HWB

SCALE: AS SHOWN

Checked: RN

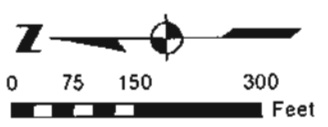
Date: AUG. 2008



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 650 Suffolk St.
Wannalanci Mills
Lowell, MA 01854

Figure 2
Site Aerial Photograph
Transect E



SB-156 05/28/08	Constituent	1.00	4.00
BAP	0.183 U	NA	
Total PCBs	0.0545 U	0.0508 U	
Arsenic	5.74	NA	
Cadmium	0.28 U	NA	
Chromium	4.96	NA	
Lead	19.9	NA	
Nickel	3.31	NA	

SB-155 05/28/08	Constituent	1.00	2.00	7.00
BAP	NA	3.24	NA	
Total PCBs	0.0580 U	0.0543 U	0.0533 U	
Arsenic	NA	13.7	NA	
Cadmium	NA	0.28 U	NA	
Chromium	NA	7.30	NA	
Lead	NA	20.4	NA	
Nickel	NA	5.43	NA	

SB-158 05/28/08	Constituent	1.00	6.00
BAP	NA	0.234 U	
Total PCBs	0.4182 J	0.0664 U	
Arsenic	5.67	3.5 U	
Cadmium	0.28 U	0.35 U	
Chromium	6.97	2.77	
Lead	61.9	3.74	
Nickel	4.13	1.62	

SB-160 05/28/08	Constituent	1.00	3.00	DUP	5.00	6.00
BAP	NA	161	255	NA		
Total PCBs	0.0523 U	0.641 UJ	0.655 UJ	0.0689 U		
Arsenic	NA	40	33.2	NA		
Cadmium	NA	0.49	0.42	NA		
Chromium	NA	12.1	9.75	NA		
Lead	NA	68.2	67.1	NA		
Nickel	NA	10.9	7	NA		

SB-161 05/28/08	Constituent	1.00	4.50
BAP	NA	1.5	
Total PCBs	0.481 J	0.0699 U	
Arsenic	NA	9.01	
Cadmium	NA	0.59	
Chromium	NA	13.3	
Lead	NA	845	
Nickel	NA	11.3	

SB-157 05/28/08	Constituent	1.00	5.50
BAP	NA	0.236 U	
Total PCBs	0.177 J	0.0642 U	
Arsenic	NA	4.47	
Cadmium	NA	0.39	
Chromium	NA	3.59	
Lead	NA	17.8	
Nickel	NA	5.92	

SB-159 05/28/08	Constituent	1.00	4.00	7.00
BAP	NA	0.201 U	NA	
Total PCBs	0.209 J	0.0556 U	0.0722 U	
Arsenic	NA	5.96	NA	
Cadmium	NA	0.31 U	NA	
Chromium	NA	7.69	NA	
Lead	NA	32.1	NA	
Nickel	NA	3.91	NA	

SB-162 05/28/08	Constituent	1.00	3.00	7.50
BAP	NA	0.688	NA	
Total PCBs	0.173 J	0.0617 U	0.0559 U	
Arsenic	NA	7.33	NA	
Cadmium	NA	0.35	NA	
Chromium	NA	69.7	NA	
Lead	NA	206	NA	
Nickel	NA	9.1	NA	

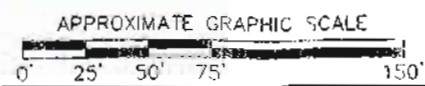
SB-163* 05/28/08	Constituent	1.00	6.00
BAP	NA	13.5	
Total PCBs	0.2439 J	0.0653 U	
Arsenic	NA	5.72	
Cadmium	NA	0.54	
Chromium	NA	11	
Lead	NA	277	
Nickel	NA	5.45	

Summary of Regulatory Comparison Criteria for Soil (mg/kg)						
Contaminant	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

NOTES:
 ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED
 MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT)
 U - 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
 NA - ESTIMATED NON-DETECT
 * - IMAGE CORRECTED LOCATION - SAMPLE POINT LOCATION ADJUSTED FROM SURVEY TO COMPENSATE FOR GEOMETRIC DISTORTION (RELIEF DISPLACEMENT)

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

SAMPLE LOCATION	SB-157 05/28/08	Constituent	1.00	5.50	SAMPLE DEPTH IN FEET
SAMPLE DATE	BAP	NA	0.236 U		
	Total PCBs	0.177 J	0.0642 U		
	Arsenic	NA	4.47		
	Cadmium	NA	0.39		
	Chromium	NA	3.59		
	Lead	NA	17.8		
	Nickel	NA	5.92		



TRANSECT E
 NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS
 SUMMARY MAP

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

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

FIGURE
 3

APPENDIX A
LIMITATIONS

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

APPENDIX B

SOIL BORING LOGS



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-155 Well No. NA	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: South side of Parker St / Adjacent to Church (Edge of Fill)		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: 5/28/08	Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/32"	16" Brown fine to medium SAND and organic TOP SOIL with roots, trace fine gravel		OS = bkg HS = bkg
2			4" Black COAL and SLAG, some fine to coarse sand, trace fine gravel		
3			12" Tan fine to coarse SAND, some fine gravel		
4					
5	S-2	48"/38"	8" Tan fine to coarse SAND, trace fine gravel		OS = bkg HS = bkg
6			6" Pulverized GRAVEL and COBBLES (driven through)		
7			24" Tan fine to coarse SAND, trace fine gravel, moist to wet in bottom		
8					
9	S-3	48"/26"	26" Tan fine to coarse SAND, some silt and fine gravel, wet		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-155-1 @ 0935 for PCBs 2) SB-155-2 @ 0945 for PCBs, Homologs, Metals & PAHs 3) SB-155-7 @ 0950 for PCBs 4) SB-155-11 @ 0955 for PCBs (HOLD) 5)
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



Geoprobe Soil Log

Client/Project
City of New Bedford

Project No.
115058

Boring No. SB-156
Well No. NA

Sheet
1 of 1

Soil Gas Screening Number and AOC Location:
Approximately 45' west of SB-155 (Edge of Fill)

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: 5/28/08

Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/30"	2" Organic TOP SOIL with roots and grass 10" Blackish SLAG and COAL, trace cinders, fine to coarse sand and fine gravel 18" Tan fine to coarse SAND and GRAVEL/COBBLES		OS = bkg HS = bkg
2					
3					
4					
5	S-2	48"/32"	32" Tan fine to coarse SAND, some fine gravel, trace silt near bottom, moist		OS = bkg HS = bkg
6					
7					
8	S-3	48"/40"	40" Tan fine to medium SAND, some silt, wet		OS = bkg HS = bkg
9					
10					
11					
12					
13			End of Boring 12 ft.		

Granular Soils			
Blows/ft	Density		
0-4	v. loose		
4-10	loose		
10-30	m. dense		
30-50	dense		
>50	v. dense		
Proportions			
trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils			
Blows/ft	Density		
>2	v. soft		
2-4	soft		
4-8	m. stiff		
8-15	stiff		
15-30	v. stiff		
>30	hard		

Grain Size (USCS)	
silt/clay	<0.08 mm
f. sand	0.43-0.08 mm
m. sand	2.0-0.43 mm
c. sand	4.8-2.0 mm
f. gravel	19-4.8 mm
c. gravel	75-19 mm
cobble	300-75 mm
boulder	>300 mm

- Notes/Sample details
- 1) SB-156-1 @ 1015 for PCBs, Metals & PAHs
 - 2) SB-156-4 @ 1020 for PCBs
 - 3) SB-156-7 @ 1030 for PCBs (HOLD)
 - 4) SB-156-11 @ 1035 for PCBs (HOLD)
 - 5)



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-157 Well No. NA	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Approximately 60' east of SB-155 (Edge of Fill)		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: 5/28/08	Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/30"	2" Organic TOP SOIL with roots, some fine to medium sand and silt		OS = bkg HS = bkg
2			28" Tan to brown fine to medium SAND, some fine gravel		
3					
4					
5	S-2	48"/36"	16" Tan to brown fine to medium SAND, some fine gravel		OS = bkg HS = bkg
6			6" Blackish organic PEAT, trace roots and silt		
7			14" Tan to brown fine to medium SAND, some silt (near bottom of sleeve), wet		
8					
9	S-3	48"/40"	40" Tan to brown fine to medium SAND, some silt and fine gravel, wet		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) sil/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-157-1 @ 1100 for PCBs 2) SB-157-5.5 @ 1105 for PCBs, Metals & PAHs 3) SB-157-8 @ 1115 for PCBs (HOLD) 4) SB-157-12 @ 1120 for PCBs (HOLD) 5)
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Geoprobe Soil Log

Client/Project
City of New Bedford

Project No.
115058

Boring No. SB-158
Well No. NA

Sheet
1 of 1

Soil Gas Screening Number and AOC Location:
Southwest corner of Parker & Hathaway within ROW (Edge of Fill)

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: 5/28/08

Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/28"	2" Organic TOP SOIL and grass		OS = bkg HS = bkg
2			20" Tan fine to medium SAND, trace silt		
3			2" Dark brown fine to medium SAND, some silt		
4			6" Rusty brown fine to coarse SAND, trace fine gravel and silt		
5	S-2	48"/30"	10" Rusty brown fine to coarse SAND, trace fine gravel and silt		OS = bkg HS = bkg
6			6" Organic PEAT with coal-like hue (shiny appearance), some fine to medium sand		
7			14" Gray fine to medium SAND, some silt, wet		
8					
9	S-3	48"/32"	32" Gray fine to medium SAND, some silt, trace fine gravel, wet		OS = bkg HS = bkg
10					
11					
12			End of Boring 12 ft.		
13					

Granular Soils		Cohesive Soils		Grain Size (USCS)		Notes/Sample details
Blows/ft	Density	Blows/ft	Density			
0-4	v. loose	>2	v. soft	silt/clay	<0.08 mm	1) SB-158-1 @ 1220 for PCBs & Metals 2) SB-158-6 @ 1230 for PCBs, Metals & PAHs 3) SB-158-9 @ 1235 for PCBs, Metals & PAHs (HOLD) 4) SB-158-12 @ 1240 for PCBs (HOLD) 5)
4-10	loose	2-4	soft	f. sand	0.43-0.08 mm	
10-30	m. dense	4-8	m. stiff	m. sand	2.0-0.43 mm	
30-50	dense	8-15	stiff	c. sand	4.8-2.0 mm	
>50	v. dense	15-30	v. stiff	f. gravel	19-4.8 mm	
Proportions		>30	hard	c. gravel	75-19 mm	
trace	0-10%			cobble	300-75 mm	
little	10-20%			boulder	>300 mm	
	some					
	20-35%					
	and					
	35-50%					



Client/Project City of New Bedford	Project No. 115058	Boring No. SB-159	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Approx. 80' from Parker St. on west side of Hathaway in ROW		Well No. NA	TRC Geologist Charles Foster

Geoprobe Soil Log

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: ~7.5 - 8 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 11 feet	Date Start: 5/28/08	Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/36"	2" Organic TOP SOIL with roots and grass		OS = bkg HS = bkg
			14" Brown fine to medium SAND, some fine gravel, trace silt		
2			6" Pulverized GRAVEL / COBBLES		
			10" Tan fine to coarse SAND, some silt		
3			4" Black COAL, trace brick and fine to coarse sand		
4					
5	S-2	48"/26"	8" Tan fine to coarse SAND, some fine gravel		OS = bkg HS = bkg
			12" Dark brown to black SILT, some fine sand and peat		
6			6" Tan to gray fine to coarse SAND, some fine gravel, moist at bottom of sleeve		
7					
8					
9	S-3	48"/18"	18" Tan fine to coarse SAND, wet		OS = bkg HS = bkg
10					
11					
12			End of Boring (Refusal at 11 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-159-1 @ 1250 for PCBs 2) SB-159-4 @ 1255 for PCBs, Metals & PAHs 3) SB-159-7 @ 1305 for PCBs 4) SB-159-10 @ 1310 for PCBs (HOLD) 5)
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Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-160	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Southwest corner of Parker and Hathaway within ROW		TRC Geologist Charles Foster	

Geoprobe Contractor/Foreman NEG / Bill Meadows	Geoprobe Make/Model Model 5400 Truck Rig	Sampling Description Continuous Macro-cores	
Sampler Description: 48" Macrocore	Sampling Method Continuous	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used): NA	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~6 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 12 feet	Date Start: 5/28/08	Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/36"	4" ASPHALT		OS = bkg HS = bkg
			4" Tan fine to coarse SAND		
2			28" COAL with creosol odor / PAH odors, blackish ash and bricks		
3					
4	S-2	48"/30"	2" Tan fine to coarse SAND		OS = bkg HS = bkg
5			8" Tan fine to coarse SAND, some fine gravel		
6			4" Orange SILT, some clay		
7			4" Gray SILT, some clay, moist		
			6" Black to dark brown PEAT		
			6" Gray fine to medium SAND, some silt, wet		
8	S-3	48"/36"	36" Gray fine to medium SAND, some silt, traces of oxidation (rusty zones), saturated		OS = bkg HS = bkg
9					
10					
11					
12					
13			End of Boring 12 ft.		

Granular Soils Blows/ft Density 0-4 v. loose 4-10 loose 10-30 m. dense 30-50 dense >50 v. dense Proportions trace 0-10% some 20-35% little 10-20% and 35-50%	Cohesive Soils Blows/ft Density >2 v. soft 2-4 soft 4-8 m. stiff 8-15 stiff 15-30 v. stiff >30 hard	Grain Size (USCS) silt/clay <0.08 mm f. sand 0.43-0.08 mm m. sand 2.0-0.43 mm c. sand 4.8-2.0 mm f. gravel 19-4.8 mm c. gravel 75-19 mm cobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-160-1 @ 1520 for PCBs 2) SB-160-3 @ 1525 for PCBs, Metals & PAHs 3) SB-160-D @ 1530 (Duplicate of SB-160-3 for PCBs, Metals & PAHs) 4) SB-160-6 @ 1540 for PCBs (HOLD: Metals & PAHs) 5) SB-160-10 @ 1545 for PCBs (HOLD)
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Client/Project
City of New Bedford

Project No.
115058

Boring No. SB-161
Well No. NA

Sheet
1 of 1

Geoprobe Soil Log

Soil Gas Screening Number and AOC Location:
South side of Parker St./Approx. 60-feet west of SB-162 within ROW

TRC Geologist
Charles Foster

Geoprobe Contractor/Foreman
NEG / Bill Meadows

Geoprobe Make/Model
Model 5400 Truck Rig

Sampling Description
Continuous Macro-cores

Sampler Description:
48" Macrocore

Sampling Method
Continuous

Coordinates
X= Y=

Temporary piezometer or screen points: NA

Auger Diameter (if used): NA

Ref. El.:

Depth NA

Sampler Diameter: 2"

Riser Stick-up: NA

Screen Length/Type: NA

Water Table Depth: ~6 feet

Surface Elevation:

Riser Length/Type: NA


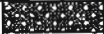






Total Depth: 12 feet

Date Start: 5/28/08

Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/20"	2" Organic SILT, some grass and fine to coarse sand		OS = bkg HS = bkg
2			12" Tan to brown fine to coarse SAND, some silt		
3			6" Pink to brown to blackish FILL (ash, glass and coal)		
4					
5	S-2	48"/28"	8" Pink to brown to blackish FILL (ash, glass and coal), trace organic peat, wet		OS = bkg HS = bkg
6			20" Gray fine to medium SAND, trace silt, wet		
7					
8					
9	S-3	48"/40"	Gray fine to medium SAND, some silt, saturated		OS = bkg HS = bkg
10					
11					
12					
13			End of Boring 12 ft.		

Granular Soils		Cohesive Soils		Grain Size (USCS)		Notes/Sample details
Blows/ft	Density	Blows/ft	Density			
0-4	v. loose	>2	v. soft	silt/clay	<0.08 mm	1) SB-161-1 @ 1440 for PCBs 2) SB-161-4.5 @ 1445 for PCBs, Metals & PAHs (plus MS/MSD/Duplicate for Metals & PAHs) 3) SB-161-8 @ 1455 for PCBs, Metals & PAHs (HOLD) 4) SB-161-11 @ 1500 for PCBs (HOLD) 5)
4-10	loose	2-4	soft	f. sand	0.43-0.08 mm	
10-30	m. dense	4-8	m. stiff	m. sand	2.0-0.43 mm	
30-50	dense	8-15	stiff	c. sand	4.8-2.0 mm	
>50	v. dense	15-30	v. stiff	f. gravel	19-4.8 mm	
Proportions		>30	hard	c. gravel	75-19 mm	
trace	0-10%			cobble	300-75 mm	
little	10-20%			boulder	>300 mm	
some	20-35%					
and	35-50%					

 Geoprobe Soil Log		Client/Project City of New Bedford	Project No. 115058	Boring No. SB-162	Sheet 1 of 1	
		Soll Gas Screening Number and AOC Location: South side of Parker St. within ROW (near SW corner of Parker & Hunter)		Well No. NA	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: Unknown		Surface Elevation:		
Riser Length/Type: NA		Total Depth: 7.5 feet		Date Start: 5/28/08	Date Finish: 5/28/08	
Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing	
1	S-1	48"/20"	2" Organic SILT, some grass		OS = bkg HS = bkg	
2			6" Tan to brown fine to coarse SAND, some fine gravel			
3			10" Black to pinkish FILL (ash, coal, trace glass and bricks), some fine gravel, wet (possibly perched water table)			
4			2" Tan fine to coarse SAND, dense			
5	S-2	42"/26"	4" Organic PEAT		OS = bkg HS = bkg	
6			22" Brown to gray fine to coarse SAND and gravel dust, dry			
7						
8			End of Boring 7.5 ft.			
9	S-3					
10						
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-162-1 @ 1420 for PCBs 2) SB-162-3 @ 1425 for PCBs, Homologs, Metals & PAHs (plus MS/MSD for PCBs & Homologs) 3) SB-162-7.5 @ 1435 for PCBs (HOLD: Metals & PAHs) 4) 5)



Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058	Boring No. SB-163	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: Corner of Hunter and Parker within ROW (across from Walsh Field)		Well No. NA	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: 5/28/08	Date Finish: 5/28/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/12"	2" Organic TOP SOIL, roots 10" Fine to medium SAND, some gravel, traces of asphalt in material recovered, loose		OS = bkg HS = bkg
2					
3					
4					
5	S-2	48"/18"	8" Fine to medium SAND, some gravel, coarse sand and glass, loose 2" Organic PEAT, moist		OS = bkg HS = bkg
6			8" Tan fine to coarse SAND, some fine gravel, dense, wet		
7					
8					
9	S-3	48"/20"	20" Gray to tan fine to coarse SAND, some fine gravel, 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-163-1 @ 1340 for PCBs 2) SB-163-6 @ 1350 for PCBs, Metals & PAHs 3) SB-163-10.5 @ 1400 for PCBs (HOLD) 4) 5)
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APPENDIX C

SAMPLE RESULTS FROM LABORATORY REPORTS



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

6/9/2008
Page 16 of 30

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-155-2

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID : 08B19386 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	1.05	06/05/08	FD	0.185			
Acenaphthylene	mg/kg dry wt	0.365	06/05/08	FD	0.185			
Anthracene	mg/kg dry wt	2.70	06/05/08	FD	0.185			
Benzo(a)anthracene	mg/kg dry wt	4.88	06/05/08	FD	0.185			
Benzo(a)pyrene	mg/kg dry wt	3.24	06/05/08	FD	0.185			
Benzo(b)fluoranthene	mg/kg dry wt	4.59	06/05/08	FD	0.185			
Benzo(g,h,i)perylene	mg/kg dry wt	2.24	06/05/08	FD	0.185			
Benzo(k)fluoranthene	mg/kg dry wt	2.52	06/05/08	FD	0.185			
Chrysene	mg/kg dry wt	3.43	06/05/08	FD	0.185			
Dibenz(a,h)anthracene	mg/kg dry wt	0.229	06/05/08	FD	0.185			
Fluoranthene	mg/kg dry wt	7.70	06/05/08	FD	0.185			
Fluorene	mg/kg dry wt	0.793	06/05/08	FD	0.185			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	2.54	06/05/08	FD	0.185			
2-Methylnaphthalene	mg/kg dry wt	0.342	06/05/08	FD	0.185			
Naphthalene	mg/kg dry wt	0.219	06/05/08	FD	0.185			
Phenanthrene	mg/kg dry wt	8.77	06/05/08	FD	0.185			
Pyrene	mg/kg dry wt	8.47	06/05/08	FD	0.185			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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

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

6/9/2008
 Page 17 of 30

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-156-1

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

Sample ID: 08B19387 ‡Sampled: 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Acenaphthylene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Anthracene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Benzo(a)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Benzo(a)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Benzo(b)fluoranthene	mg/kg dry wt	0.214	06/05/08	FD	0.183			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Chrysene	mg/kg dry wt	0.186	06/05/08	FD	0.183			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Fluoranthene	mg/kg dry wt	0.202	06/05/08	FD	0.183			
Fluorene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.183			
2-Methylnaphthalene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Naphthalene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Phenanthrene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Pyrene	mg/kg dry wt	ND	06/05/08	FD	0.183			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
 SW846 8270

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

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

6/9/2008
Page 18 of 30

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample # : SB-157-5.5

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID : 08B19388 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Acenaphthylene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Anthracene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Benzo(a)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Benzo(a)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Chrysene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Fluorene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.236			
2-Methylnaphthalene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Naphthalene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Phenanthrene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Pyrene	mg/kg dry wt	ND	06/05/08	FD	0.236			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample # : SB-158-6

LIMS-BAT #: LIMT-16390
Job Number: 115058

Sample ID : 08B19390 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Acenaphthylene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Anthracene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Benzo(a)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Benzo(a)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Chrysene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Fluorene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.234			
2-Methylnaphthalene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Naphthalene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Phenanthrene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Pyrene	mg/kg dry wt	ND	06/05/08	FD	0.234			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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NM = Not Measured

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* = 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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650 SUFFOLK STREET
LOWELL, MA 01852

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-159-4

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID: 08B19391 ‡Sampled: 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Acenaphthylene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Anthracene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Benzo(a)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Benzo(a)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Benzo(b)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Benzo(k)fluoranthene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Chrysene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Fluoranthene	mg/kg dry wt	0.202	06/05/08	FD	0.201			
Fluorene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	06/05/08	FD	0.201			
2-Methylnaphthalene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Naphthalene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Phenanthrene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Pyrene	mg/kg dry wt	ND	06/05/08	FD	0.201			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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NM = Not Measured

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650 SUFFOLK STREET
LOWELL, MA 01852

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-160-3

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID : 08B19392 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	25.3	06/05/08	FD	6.15			
Acenaphthylene	mg/kg dry wt	79.0	06/05/08	FD	6.15			
Anthracene	mg/kg dry wt	121	06/05/08	FD	6.15			
Benzo(a)anthracene	mg/kg dry wt	133	06/05/08	FD	6.15			
Benzo(a)pyrene	mg/kg dry wt	161	06/05/08	FD	6.15			
Benzo(b)fluoranthene	mg/kg dry wt	217	06/05/08	FD	6.15			
Benzo(g,h,i)perylene	mg/kg dry wt	154	06/05/08	FD	6.15			
Benzo(k)fluoranthene	mg/kg dry wt	68.1	06/05/08	FD	6.15			
Chrysene	mg/kg dry wt	128	06/05/08	FD	6.15			
Dibenz(a,h)anthracene	mg/kg dry wt	19.2	06/05/08	FD	6.15			
Fluoranthene	mg/kg dry wt	528	06/05/08	FD	6.15			
Fluorene	mg/kg dry wt	111	06/05/08	FD	6.15			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	133	06/05/08	FD	6.15			
2-Methylnaphthalene	mg/kg dry wt	1890	06/05/08	FD	6.15			
Naphthalene	mg/kg dry wt	6660	06/05/08	FD	6.15			
Phenanthrene	mg/kg dry wt	900	06/05/08	FD	6.15			
Pyrene	mg/kg dry wt	571	06/05/08	FD	6.15			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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650 SUFFOLK STREET
LOWELL, MA 01852

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-160-D

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID : 08B19393 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	35.2	06/05/08	FD	5.59			
Acenaphthylene	mg/kg dry wt	128	06/05/08	FD	5.59			
Anthracene	mg/kg dry wt	159	06/05/08	FD	5.59			
Benzo(a)anthracene	mg/kg dry wt	178	06/05/08	FD	5.59			
Benzo(a)pyrene	mg/kg dry wt	255	06/05/08	FD	5.59			
Benzo(b)fluoranthene	mg/kg dry wt	374	06/05/08	FD	5.59			
Benzo(g,h,i)perylene	mg/kg dry wt	216	06/05/08	FD	5.59			
Benzo(k)fluoranthene	mg/kg dry wt	89.9	06/05/08	FD	5.59			
Chrysene	mg/kg dry wt	195	06/05/08	FD	5.59			
Dibenz(a,h)anthracene	mg/kg dry wt	37.5	06/05/08	FD	5.59			
Fluoranthene	mg/kg dry wt	794	06/05/08	FD	5.59			
Fluorene	mg/kg dry wt	127	06/05/08	FD	5.59			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	193	06/05/08	FD	5.59			
2-Methylnaphthalene	mg/kg dry wt	1760	06/05/08	FD	5.59			
Naphthalene	mg/kg dry wt	9830	06/05/08	FD	5.59			
Phenanthrene	mg/kg dry wt	1330	06/05/08	FD	5.59			
Pyrene	mg/kg dry wt	860	06/05/08	FD	5.59			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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LOWELL, MA 01852

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-161-4.5 QC

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID: 08B19394 ‡Sampled: 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/05/08	FD	0.214			
Acenaphthylene	mg/kg dry wt	ND	06/05/08	FD	0.214			
Anthracene	mg/kg dry wt	ND	06/05/08	FD	0.214			
Benzo(a)anthracene	mg/kg dry wt	1.16	06/05/08	FD	0.214			
Benzo(a)pyrene	mg/kg dry wt	1.50	06/05/08	FD	0.214			
Benzo(b)fluoranthene	mg/kg dry wt	1.73	06/05/08	FD	0.214			
Benzo(g,h,i)perylene	mg/kg dry wt	1.10	06/05/08	FD	0.214			
Benzo(k)fluoranthene	mg/kg dry wt	0.595	06/05/08	FD	0.214			
Chrysene	mg/kg dry wt	1.42	06/05/08	FD	0.214			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.214			
Fluoranthene	mg/kg dry wt	2.53	06/05/08	FD	0.214			
Fluorene	mg/kg dry wt	ND	06/05/08	FD	0.214			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.05	06/05/08	FD	0.214			
2-Methylnaphthalene	mg/kg dry wt	ND	06/05/08	FD	0.214			
Naphthalene	mg/kg dry wt	1.12	06/05/08	FD	0.214			
Phenanthrene	mg/kg dry wt	1.72	06/05/08	FD	0.214			
Pyrene	mg/kg dry wt	2.35	06/05/08	FD	0.214			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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LOWELL, MA 01852

6/9/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-162-3

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID: 08B19395 ‡Sampled: 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Acenaphthylene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Anthracene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Benzo(a)anthracene	mg/kg dry wt	0.450	06/05/08	FD	0.198			
Benzo(a)pyrene	mg/kg dry wt	0.688	06/05/08	FD	0.198			
Benzo(b)fluoranthene	mg/kg dry wt	0.769	06/05/08	FD	0.198			
Benzo(g,h,i)perylene	mg/kg dry wt	0.606	06/05/08	FD	0.198			
Benzo(k)fluoranthene	mg/kg dry wt	0.281	06/05/08	FD	0.198			
Chrysene	mg/kg dry wt	0.553	06/05/08	FD	0.198			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Fluoranthene	mg/kg dry wt	1.40	06/05/08	FD	0.198			
Fluorene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.595	06/05/08	FD	0.198			
2-Methylnaphthalene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Naphthalene	mg/kg dry wt	ND	06/05/08	FD	0.198			
Phenanthrene	mg/kg dry wt	0.955	06/05/08	FD	0.198			
Pyrene	mg/kg dry wt	1.35	06/05/08	FD	0.198			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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LOWELL, MA 01852

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Purchase Order No :

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample # : SB-163-6

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID : 08B19396 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	3.58	06/05/08	FD	0.999			
Acenaphthylene	mg/kg dry wt	2.83	06/05/08	FD	0.999			
Anthracene	mg/kg dry wt	8.30	06/05/08	FD	0.999			
Benzo(a)anthracene	mg/kg dry wt	12.2	06/05/08	FD	0.999			
Benzo(a)pyrene	mg/kg dry wt	13.5	06/05/08	FD	0.999			
Benzo(b)fluoranthene	mg/kg dry wt	15.8	06/05/08	FD	0.999			
Benzo(g,h,i)perylene	mg/kg dry wt	7.74	06/05/08	FD	0.999			
Benzo(k)fluoranthene	mg/kg dry wt	5.26	06/05/08	FD	0.999			
Chrysene	mg/kg dry wt	12.4	06/05/08	FD	0.999			
Dibenz(a,h)anthracene	mg/kg dry wt	1.25	06/05/08	FD	0.999			
Fluoranthene	mg/kg dry wt	20.4	06/05/08	FD	0.999			
Fluorene	mg/kg dry wt	4.13	06/05/08	FD	0.999			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	8.52	06/05/08	FD	0.999			
2-Methylnaphthalene	mg/kg dry wt	3.23	06/05/08	FD	0.999			
Naphthalene	mg/kg dry wt	6.97	06/05/08	FD	0.999			
Phenanthrene	mg/kg dry wt	22.8	06/05/08	FD	0.999			
Pyrene	mg/kg dry wt	21.0	06/05/08	FD	0.999			
Extraction Date 8270		6/2/2008	06/05/08	FD				

Analytical Method:
SW846 8270

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

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1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-01</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-155-1</u>
Sample wt(Dry)/vol: <u>8.6274 g</u>	Lab Sample ID: <u>AL09077</u>
Percent Moisture: <u>14.9</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-12

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-12

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0580	U
1	11104-28-2	Aroclor 1221	0.0580	U
1	11141-16-5	Aroclor 1232	0.0580	U
1	53469-21-9	Aroclor 1242	0.0580	U
1	12672-29-6	Aroclor 1248	0.0580	U
1	11097-69-1	Aroclor 1254	0.0580	U
1	11096-82-5	Aroclor 1260	0.0580	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-02</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-155-2</u>
Sample wt(Dry)/vol: <u>9.2113 g</u>	Lab Sample ID: <u>AL09078</u>
Percent Moisture: <u>8.70</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-13

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-13

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0543	U
1	11104-28-2	Aroclor 1221	0.0543	U
1	11141-16-5	Aroclor 1232	0.0543	U
1	53469-21-9	Aroclor 1242	0.0543	U
1	12672-29-6	Aroclor 1248	0.0543	U
1	11097-69-1	Aroclor 1254	0.0543	U
1	11096-82-5	Aroclor 1260	0.0543	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-03</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-155-7</u>
Sample wt(Dry)/vol: <u>9.3763 g</u>	Lab Sample ID: <u>AL09079</u>
Percent Moisture: <u>9.60</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-14

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-14

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0533	U
1	11104-28-2	Aroclor 1221	0.0533	U
1	11141-16-5	Aroclor 1232	0.0533	U
1	53469-21-9	Aroclor 1242	0.0533	U
1	12672-29-6	Aroclor 1248	0.0533	U
1	11097-69-1	Aroclor 1254	0.0533	U
1	11096-82-5	Aroclor 1260	0.0533	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-05</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-156-1</u>
Sample wt(Dry)/vol: <u>9.1722 g</u>	Lab Sample ID: <u>AL09081</u>
Percent Moisture: <u>10.2</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

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

Injection Volume: 1.0 uL

Lab File ID: GC20F-186-15

Column 2 Information:

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

Injection Volume: 1.0 uL

Lab File ID: GC20B-146-15

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: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-06</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-156-4</u>
Sample wt(Dry)/vol: <u>9.8349 g</u>	Lab Sample ID: <u>AL09082</u>
Percent Moisture: <u>6.20</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-16

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-16

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0508	U
1	11104-28-2	Aroclor 1221	0.0508	U
1	11141-16-5	Aroclor 1232	0.0508	U
1	53469-21-9	Aroclor 1242	0.0508	U
1	12672-29-6	Aroclor 1248	0.0508	U
1	11097-69-1	Aroclor 1254	0.0508	U
1	11096-82-5	Aroclor 1260	0.0508	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: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-09</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-157-1</u>
Sample wt(Dry)/vol: <u>9.3816 g</u>	Lab Sample ID: <u>AL09085</u>
Percent Moisture: <u>9.40</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-17

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-17

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0533	U
1	11104-28-2	Aroclor 1221	0.0533	U
1	11141-16-5	Aroclor 1232	0.0533	U
1	53469-21-9	Aroclor 1242	0.0533	U
1	12672-29-6	Aroclor 1248	0.0533	U
1	11097-69-1	Aroclor 1254	0.0533	U
1	11096-82-5	Aroclor 1260	0.177	AG

Laboratory Qualifiers:

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-10</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-157-5.5</u>
Sample wt(Dry)/vol: <u>7.7938 g</u>	Lab Sample ID: <u>AL09086</u>
Percent Moisture: <u>24.0</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-18

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-18

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0642	U
1	11104-28-2	Aroclor 1221	0.0642	U
1	11141-16-5	Aroclor 1232	0.0642	U
1	53469-21-9	Aroclor 1242	0.0642	U
1	12672-29-6	Aroclor 1248	0.0642	U
1	11097-69-1	Aroclor 1254	0.0642	U
1	11096-82-5	Aroclor 1260	0.0642	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: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-13</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-158-1</u>
Sample wt(Dry)/vol: <u>9.3629 g</u>	Lab Sample ID: <u>AL09089</u>
Percent Moisture: <u>7.90</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-20

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-20

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	0.332	AF
2	11096-82-5	Aroclor 1260	0.0862	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.

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PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-14</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-158-6</u>
Sample wt(Dry)/vol: <u>7.5306 g</u>	Lab Sample ID: <u>AL09090</u>
Percent Moisture: <u>27.1</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-21

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-21

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

Laboratory Qualifiers:

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

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PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-17</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-159-1</u>
Sample wt(Dry)/vol: <u>8.9664 g</u>	Lab Sample ID: <u>AL09093</u>
Percent Moisture: <u>11.8</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-22

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-22

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0558	U
1	11104-28-2	Aroclor 1221	0.0558	U
1	11141-16-5	Aroclor 1232	0.0558	U
1	53469-21-9	Aroclor 1242	0.0558	U
1	12672-29-6	Aroclor 1248	0.0558	U
1	11097-69-1	Aroclor 1254	0.0558	U
1	11096-82-5	Aroclor 1260	0.209	AG

Laboratory Qualifiers:

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

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

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PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-18</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-159-4</u>
Sample wt(Dry)/Vol: <u>9.0002 g</u>	Lab Sample ID: <u>AL09094</u>
Percent Moisture: <u>14.3</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-186-23

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-146-23

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0556	U
1	11104-28-2	Aroclor 1221	0.0556	U
1	11141-16-5	Aroclor 1232	0.0556	U
1	53469-21-9	Aroclor 1242	0.0556	U
1	12672-29-6	Aroclor 1248	0.0556	U
1	11097-69-1	Aroclor 1254	0.0556	U
1	11096-82-5	Aroclor 1260	0.0556	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.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060003</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060003-19</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-159-7</u>
Sample wt(Dry)/vol: <u>6.9290 g</u>	Lab Sample ID: <u>AL09095</u>
Percent Moisture: <u>33.7</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/05/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/09/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm, 0.25um
Injection Volume: 1.0 uL
Lab File ID: GC20F-186-24

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
Injection Volume: 1.0 uL
Lab File ID: GC20B-146-24

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0722	U
1	11104-28-2	Aroclor 1221	0.0722	U
1	11141-16-5	Aroclor 1232	0.0722	U
1	53469-21-9	Aroclor 1242	0.0722	U
1	12672-29-6	Aroclor 1248	0.0722	U
1	11097-69-1	Aroclor 1254	0.0722	U
1	11096-82-5	Aroclor 1260	0.0722	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-01RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-160-1</u>
Sample wt(Dry)/vol: <u>9.5688 g</u>	Lab Sample ID: <u>AL09097RE1</u>
Percent Moisture: <u>5.80</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/06/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-15

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-15

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.0523	U
1	11104-28-2	Aroclor 1221	0.0523	U
1	11141-16-5	Aroclor 1232	0.0523	U
1	53469-21-9	Aroclor 1242	0.0523	U
1	12672-29-6	Aroclor 1248	0.0523	U
1	11097-69-1	Aroclor 1254	0.0523	U
1	11096-82-5	Aroclor 1260	0.0523	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-02RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-160-3</u>
Sample wt(Dry)/vol: <u>7.8004 g</u>	Lab Sample ID: <u>AL09098RE1</u>
Percent Moisture: <u>23.6</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/06/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>10</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-16

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-16

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.641	U
1	11104-28-2	Aroclor 1221	0.641	U
1	11141-16-5	Aroclor 1232	0.641	U
1	53469-21-9	Aroclor 1242	0.641	U
1	12672-29-6	Aroclor 1248	0.641	U
1	11097-69-1	Aroclor 1254	0.641	U
1	11096-82-5	Aroclor 1260	0.641	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: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-03RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-160-6</u>
Sample wt(Dry)/vol: <u>7.2583 g</u>	Lab Sample ID: <u>AL09099RE1</u>
Percent Moisture: <u>28.0</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/06/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-17

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC208-145-17

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0689	U
1	11104-28-2	Aroclor 1221	0.0689	U
1	11141-16-5	Aroclor 1232	0.0689	U
1	53469-21-9	Aroclor 1242	0.0689	U
1	12672-29-6	Aroclor 1248	0.0689	U
1	11097-69-1	Aroclor 1254	0.0689	U
1	11096-82-5	Aroclor 1260	0.0689	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-05RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-160-D</u>
Sample wt(Dry)/vol: <u>7.6360 g</u>	Lab Sample ID: <u>AL09101RE1</u>
Percent Moisture: <u>26.4</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/06/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>10</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-18

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-18

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
1	12674-11-2	Aroclor 1016	0.655	U
1	11104-28-2	Aroclor 1221	0.655	U
1	11141-16-5	Aroclor 1232	0.655	U
1	53469-21-9	Aroclor 1242	0.655	U
1	12672-29-6	Aroclor 1248	0.655	U
1	11097-69-1	Aroclor 1254	0.655	U
1	11096-82-5	Aroclor 1260	0.655	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.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-06RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-161-1</u>
Sample wt(Dry)/vol: <u>9.1043 g</u>	Lab Sample ID: <u>AL09102RE1</u>
Percent Moisture: <u>11.6</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/06/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-19

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-19

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	0.297	AF
1	11096-82-5	Aroclor 1260	0.184	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.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-07RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-161-4.5</u>
Sample wt(Dry)/vol: <u>7.1568 g</u>	Lab Sample ID: <u>AL09103RE1</u>
Percent Moisture: <u>29.0</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/07/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-20

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-20

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0699	U
1	11104-28-2	Aroclor 1221	0.0699	U
1	11141-16-5	Aroclor 1232	0.0699	U
1	53469-21-9	Aroclor 1242	0.0699	U
1	12672-29-6	Aroclor 1248	0.0699	U
1	11097-69-1	Aroclor 1254	0.0699	U
1	11096-82-5	Aroclor 1260	0.0699	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-10RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-162-1</u>
Sample wt(Dry)/vol: <u>9.4655 g</u>	Lab Sample ID: <u>AL09106RE1</u>
Percent Moisture: <u>9.30</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/07/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-21

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-21

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0528	U
1	11104-28-2	Aroclor 1221	0.0528	U
1	11141-16-5	Aroclor 1232	0.0528	U
1	53469-21-9	Aroclor 1242	0.0528	U
1	12672-29-6	Aroclor 1248	0.0528	U
1	11097-69-1	Aroclor 1254	0.173	AF
1	11096-82-5	Aroclor 1260	0.0528	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.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-11RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-162-3</u>
Sample wt(Dry)/vol: <u>8.0995 g</u>	Lab Sample ID: <u>AL09107RE1</u>
Percent Moisture: <u>22.0</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/07/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-23

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID 0.25mm, 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-23

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0617	U
1	11104-28-2	Aroclor 1221	0.0617	U
1	11141-16-5	Aroclor 1232	0.0617	U
1	53469-21-9	Aroclor 1242	0.0617	U
1	12672-29-6	Aroclor 1248	0.0617	U
1	11097-69-1	Aroclor 1254	0.0617	U
1	11096-82-5	Aroclor 1260	0.0617	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-12RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-162-7.5</u>
Sample wt(Dry)/vol: <u>8.9425 g</u>	Lab Sample ID: <u>AL09108RE1</u>
Percent Moisture: <u>11.6</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/07/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m; ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-26

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-26

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0559	U
1	11104-28-2	Aroclor 1221	0.0559	U
1	11141-16-5	Aroclor 1232	0.0559	U
1	53469-21-9	Aroclor 1242	0.0559	U
1	12672-29-6	Aroclor 1248	0.0559	U
1	11097-69-1	Aroclor 1254	0.0559	U
1	11096-82-5	Aroclor 1260	0.0559	U

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-13RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-163-1</u>
Sample wt(Dry)/vol: <u>9.4365 g</u>	Lab Sample ID: <u>AL09109RE1</u>
Percent Moisture: <u>8.80</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/07/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
Injection Volume: 1.0 uL
Lab File ID: GC20F-185-27

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
Injection Volume: 1.0 uL
Lab File ID: GC20B-145-27

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
2	11097-69-1	Aroclor 1254	0.0929	AF
1	11096-82-5	Aroclor 1260	0.151	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.

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08060004</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08060004-14RE1</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-163-6</u>
Sample wt(Dry)/vol: <u>7.6523 g</u>	Lab Sample ID: <u>AL09110RE1</u>
Percent Moisture: <u>25.3</u>	Date Received: <u>05/31/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>06/04/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>06/07/2008</u>
Method: <u>SW-846 8082 (PCB)</u>	Dilution Factor: <u>1</u>
	Sulfur Cleanup: <u>YES</u>

Column 1 Information:

GC Column: Phenomenex Capillary, MultiResidue-1, 30m, ID: 0.25mm; 0.25um
 Injection Volume: 1.0 uL
 Lab File ID: GC20F-185-28

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-145-28

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:

Note the glass sample jar for this sample SB-163-6 was received broken. The sample was fully contained inside the outer packing bag and was salvaged for analysis.
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.



CERTIFICATE OF ANALYSIS

06/11/2008

TRC ENVIRONMENTAL

WANNALANCTT MILLS

650 SUFFOLK ST

LOWELL, MA 01854

CONTACT: DAVID SULLIVAN

CUSTOMER ID: SB-155-2 NEA ID: AL09078 NEA LRF: 08060003-02
MATRIX: SOIL DATE SAMPLED: 05/28/2008 TIME: 09:45
DATE RECEIVED: 05/31/2008 TIME: 11:15 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: 06/09/2008

HOMOLOG GROUP	CAS NUMBER	AMOUNT	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	27323-18-8	ND	0.013	mg/kg	ND
Dichlorobiphenyl	25512-42-9	ND	0.013	mg/kg	ND
Trichlorobiphenyl	25323-68-6	ND	0.013	mg/kg	ND
Tetrachlorobiphenyl	26914-33-0	ND	0.027	mg/kg	ND
Pentachlorobiphenyl	25429-29-2	ND	0.027	mg/kg	ND
Hexachlorobiphenyl	26601-64-9	ND	0.027	mg/kg	ND
Heptachlorobiphenyl	28655-71-2	ND	0.040	mg/kg	ND
Octachlorobiphenyl	55722-26-4	ND	0.040	mg/kg	ND
Nonachlorobiphenyl	53742-07-7	ND	0.067	mg/kg	ND
Decachlorobiphenyl	2051-24-3	ND	0.067	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



CERTIFICATE OF ANALYSIS
06/11/2008
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID: SB-162-3
MATRIX: SOIL
DATE RECEIVED: 05/31/2008 TIME: 11:15
SAMPLED BY: C. FOSTER
CUSTOMER PO: N/A
METHOD: PCB by EPA Method 680 GCMS

NEA ID: AL09107 NEA LRF: 08060004-11
DATE SAMPLED: 05/28/2008 TIME: 14:25
PROJECT: CITY OF NEW BEDFORD
LOCATION: NEW BEDFORD
LAB ELAP#: 11078
DATE ANALYZED: 06/09/2008

HOMOLOG GROUP	CAS NUMBER	AMOUNT	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	27323-18-8	ND	0.015	mg/kg	ND
Dichlorobiphenyl	25512-42-9	ND	0.015	mg/kg	ND
Trichlorobiphenyl	25323-68-6	ND	0.015	mg/kg	ND
Tetrachlorobiphenyl	26914-33-0	ND	0.031	mg/kg	ND
Pentachlorobiphenyl	25429-29-2	ND	0.031	mg/kg	ND
Hexachlorobiphenyl	26601-64-9	ND	0.031	mg/kg	ND
Heptachlorobiphenyl	28655-71-2	ND	0.046	mg/kg	ND
Octachlorobiphenyl	55722-26-4	ND	0.046	mg/kg	ND
Nonachlorobiphenyl	53742-07-7	ND	0.077	mg/kg	ND
Decachlorobiphenyl	2051-24-3	ND	0.077	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



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

6/9/2008
Page 1 of 30

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-155-2

LIMS-BAT #: LIMT-16390
Job Number: 115058

Sample ID : 08B19386 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	4.44			
Arsenic	mg/kg dry wt	13.7	06/03/08	WHW	2.78			
Barium	mg/kg dry wt	27.6	06/03/08	WHW	5.55			
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.28			
Cadmium	mg/kg dry wt	ND	06/03/08	WHW	0.28			
Chromium	mg/kg dry wt	7.39	06/03/08	WHW	0.56			
Lead	mg/kg dry wt	20.4	06/03/08	WHW	0.84			
Nickel	mg/kg dry wt	5.43	06/03/08	WHW	0.56			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	5.55			
Silver	mg/kg dry wt	1.23	06/03/08	WHW	0.56			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.33			
Vanadium	mg/kg dry wt	16.0	06/03/08	WHW	5.55			
Zinc	mg/kg dry wt	26.0	06/03/08	WHW	1.11			

Analytical Method:
SW846 6010

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

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

6/9/2008
 Page 2 of 30

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-156-1
 Sample ID : 08B19387

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	4.40			
Arsenic	mg/kg dry wt	5.74	06/03/08	WHW	2.75			
Barium	mg/kg dry wt	25.7	06/03/08	WHW	5.49			
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.28			
Cadmium	mg/kg dry wt	ND	06/03/08	WHW	0.28			
Chromium	mg/kg dry wt	4.96	06/03/08	WHW	0.55			
Lead	mg/kg dry wt	19.9	06/03/08	WHW	0.83			
Nickel	mg/kg dry wt	3.31	06/03/08	WHW	0.55			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	5.49			
Silver	mg/kg dry wt	0.65	06/03/08	WHW	0.55			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.30			
Vanadium	mg/kg dry wt	9.37	06/03/08	WHW	5.49			
Zinc	mg/kg dry wt	22.3	06/03/08	WHW	1.10			

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

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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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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-157-5.5

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

Sample ID : 08B19388 ‡Sampled . 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	5.66			
Arsenic	mg/kg dry wt	4.47	06/03/08	WHW	3.54			
Barium	mg/kg dry wt	27.7	06/03/08	WHW	7.08			
Beryllium	mg/kg dry wt	1.02	06/03/08	WHW	0.36			
Cadmium	mg/kg dry wt	0.39	06/03/08	WHW	0.36			
Chromium	mg/kg dry wt	3.59	06/03/08	WHW	0.71			
Lead	mg/kg dry wt	17.8	06/03/08	WHW	1.07			
Nickel	mg/kg dry wt	5.92	06/03/08	WHW	0.71			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	7.08			
Silver	mg/kg dry wt	1.01	06/03/08	WHW	0.71			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	4.25			
Vanadium	mg/kg dry wt	ND	06/03/08	WHW	7.08			
Zinc	mg/kg dry wt	30.4	06/03/08	WHW	1.42			

Analytical Method:

SW846 6010

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD

LIMS-BAT #: LIMIT-16390

Date Received: 5/30/2008

Job Number: 115058

Field Sample #: SB-158-1

Sample ID: 08B19389

‡Sampled: 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	4.41			
Arsenic	mg/kg dry wt	5.67	06/03/08	WHW	2.76			
Barium	mg/kg dry wt	18.9	06/03/08	WHW	5.51			
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.28			
Cadmium	mg/kg dry wt	ND	06/03/08	WHW	0.28			
Chromium	mg/kg dry wt	6.97	06/03/08	WHW	0.56			
Lead	mg/kg dry wt	61.9	06/03/08	WHW	0.83			
Nickel	mg/kg dry wt	4.13	06/03/08	WHW	0.56			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	5.51			
Silver	mg/kg dry wt	0.79	06/03/08	WHW	0.56			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.31			
Vanadium	mg/kg dry wt	13.2	06/03/08	WHW	5.51			
Zinc	mg/kg dry wt	29.3	06/03/08	WHW	1.11			

Analytical Method:

SW846 6010

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-158-6

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

Sample ID: 08B19390 ‡Sampled: 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	5.60			
Arsenic	mg/kg dry wt	ND	06/03/08	WHW	3.50			
Barium	mg/kg dry wt	14.7	06/03/08	WHW	7.00			
Beryllium	mg/kg dry wt	0.82	06/03/08	WHW	0.35			
Cadmium	mg/kg dry wt	ND	06/03/08	WHW	0.35			
Chromium	mg/kg dry wt	2.77	06/03/08	WHW	0.70			
Lead	mg/kg dry wt	3.74	06/03/08	WHW	1.05			
Nickel	mg/kg dry wt	1.62	06/03/08	WHW	0.70			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	7.00			
Silver	mg/kg dry wt	ND	06/03/08	WHW	0.70			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	4.20			
Vanadium	mg/kg dry wt	ND	06/03/08	WHW	7.00			
Zinc	mg/kg dry wt	11.1	06/03/08	WHW	1.40			

Analytical Method:
 SW846 6010

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-159-4

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

Sample ID : 08B19391 ‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	4.81			
Arsenic	mg/kg dry wt	5.96	06/03/08	WHW	3.01			
Barium	mg/kg dry wt	20.7	06/03/08	WHW	6.01			
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.31			
Cadmium	mg/kg dry wt	ND	06/03/08	WHW	0.31			
Chromium	mg/kg dry wt	7.69	06/03/08	WHW	0.61			
Lead	mg/kg dry wt	32.1	06/03/08	WHW	0.91			
Nickel	mg/kg dry wt	3.91	06/03/08	WHW	0.61			
Selenium	mg/kg dry wt	NO	06/03/08	WHW	6.01			
Silver	mg/kg dry wt	1.07	06/03/08	WHW	0.61			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.61			
Vanadium	mg/kg dry wt	13.1	06/03/08	WHW	6.01			
Zinc	mg/kg dry wt	17.9	06/03/08	WHW	1.21			

Analytical Method:

SW846 6010

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-160-3
Sample ID: 08B19392

LIMS-BAT #: LIMIT-16390
Job Number: 115058

‡Sampled: 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	5.51			
Arsenic	mg/kg dry wt	40.0	06/03/08	WHW	3.44			
Barium	mg/kg dry wt	29.4	06/03/08	WHW	6.88			
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.35			
Cadmium	mg/kg dry wt	0.49	06/03/08	WHW	0.35			
Chromium	mg/kg dry wt	12.1	06/03/08	WHW	0.69			
Lead	mg/kg dry wt	68.2	06/03/08	WHW	1.04			
Nickel	mg/kg dry wt	10.9	06/03/08	WHW	0.69			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	6.88			
Silver	mg/kg dry wt	11.1	06/03/08	WHW	0.69			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	4.13			
Vanadium	mg/kg dry wt	39.4	06/03/08	WHW	8.88			
Zinc	mg/kg dry wt	16.8	06/03/08	WHW	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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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-160-D

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID : 08B19393 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Antimony	mg/kg dry wt	ND	06/05/08	WHW	5.37		
Arsenic	mg/kg dry wt	33.2	06/03/08	WHW	3.36		
Barium	mg/kg dry wt	29.1	06/03/08	WHW	6.71		
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.34		
Cadmium	mg/kg dry wt	0.42	06/03/08	WHW	0.34		
Chromium	mg/kg dry wt	9.75	06/03/08	WHW	0.68		
Lead	mg/kg dry wt	67.1	06/03/08	WHW	1.01		
Nickel	mg/kg dry wt	7.00	06/03/08	WHW	0.68		
Selenium	mg/kg dry wt	ND	06/03/08	WHW	6.71		
Silver	mg/kg dry wt	8.96	06/03/08	WHW	0.68		
Thallium	mg/kg dry wt	ND	06/03/08	WHW	4.03		
Vanadium	mg/kg dry wt	34.3	06/03/08	WHW	6.71		
Zinc	mg/kg dry wt	10.7	06/03/08	WHW	1.35		

Analytical Method:

SW846 6010

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-161-4.5 QC

LIMS-BAT #: LIMIT-16390
Job Number: 115058

Sample ID: 08B19394 ‡Sampled: 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	5.14			
Arsenic	mg/kg dry wt	9.01	06/03/08	WHW	3.21			
Barium	mg/kg dry wt	291	06/03/08	WHW	6.42			
Beryllium	mg/kg dry wt	0.51	06/03/08	WHW	0.33			
Cadmium	mg/kg dry wt	0.59	06/03/08	WHW	0.33			
Chromium	mg/kg dry wt	13.3	06/03/08	WHW	0.65			
Lead	mg/kg dry wt	845	06/03/08	WHW	0.97			
Nickel	mg/kg dry wt	11.3	06/03/08	WHW	0.65			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	6.42			
Silver	mg/kg dry wt	2.74	06/03/08	WHW	0.65			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.86			
Vanadium	mg/kg dry wt	19.4	06/03/08	WHW	6.42			
Zinc	mg/kg dry wt	287	06/03/08	WHW	1.29			

Analytical Method:
SW846 6010

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-162-3
 Sample ID: 08B19395
 Sample Matrix: SOIL

LIMS-BAT #: LIMT-16390
 Job Number: 115058

‡Sampled: 5/28/2008
 Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	4.75			
Arsenic	mg/kg dry wt	7.33	06/03/08	WHW	2.97			
Barium	mg/kg dry wt	221	06/03/08	WHW	5.94			
Beryllium	mg/kg dry wt	0.53	06/03/08	WHW	0.30			
Cadmium	mg/kg dry wt	0.35	06/03/08	WHW	0.30			
Chromium	mg/kg dry wt	69.7	06/03/08	WHW	0.60			
Lead	mg/kg dry wt	206	06/03/08	WHW	0.89			
Nickel	mg/kg dry wt	9.10	06/03/08	WHW	0.60			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	5.94			
Silver	mg/kg dry wt	0.66	06/03/08	WHW	0.60			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.56			
Vanadium	mg/kg dry wt	16.2	06/03/08	WHW	5.94			
Zinc	mg/kg dry wt	113	06/03/08	WHW	1.19			

Analytical Method:

SW846 6010

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-163-6

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

Sample ID: 08B19396 ‡Sampled: 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	06/05/08	WHW	4.80			
Arsenic	mg/kg dry wt	5.72	06/03/08	WHW	3.00			
Barium	mg/kg dry wt	72.9	06/03/08	WHW	5.99			
Beryllium	mg/kg dry wt	ND	06/03/08	WHW	0.30			
Cadmium	mg/kg dry wt	0.54	06/03/08	WHW	0.30			
Chromium	mg/kg dry wt	11.0	06/03/08	WHW	0.60			
Lead	mg/kg dry wt	277	06/03/08	WHW	0.90			
Nickel	mg/kg dry wt	5.45	06/03/08	WHW	0.60			
Selenium	mg/kg dry wt	ND	06/03/08	WHW	5.99			
Silver	mg/kg dry wt	1.97	06/03/08	WHW	0.60			
Thallium	mg/kg dry wt	ND	06/03/08	WHW	3.60			
Vanadium	mg/kg dry wt	14.0	06/03/08	WHW	5.99			
Zinc	mg/kg dry wt	241	06/03/08	WHW	1.20			

Analytical Method:
 SW846 6010

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

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‡ = 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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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample #: SB-155-2

LIMS-BAT #: LIMT-16390
Job Number: 115058

Sample ID : 08B19386 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.161	06/03/08	MTM	0.022			

Field Sample #: SB-156-1

Sample ID : 08B19387 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.145	06/03/08	MTM	0.020			

Field Sample #: SB-157-5.5

Sample ID : 08B19388 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.034	06/03/08	MTM	0.028			

Field Sample #: SB-158-1

Sample ID : 08B19389 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.050	06/03/08	MTM	0.019			

Field Sample #: SB-158-6

Sample ID : 08B19390 ‡Sampled : 5/28/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.020	06/03/08	MTM	0.018			

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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.

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 5/30/2008
 Field Sample #: SB-159-4

LIMS-BAT #: LIMIT-16390
 Job Number: 115058

Sample ID : 08B19391 ‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Mercury	mg/kg dry wt	0.133	06/03/08	MTM	0.019			

Field Sample #: SB-160-3

Sample ID : 08B19392 ‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Mercury	mg/kg dry wt	0.090	06/03/08	MTM	0.031			

Field Sample #: SB-160-D

Sample ID : 08B19393 ‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Mercury	mg/kg dry wt	0.088	06/03/08	MTM	0.022			

Field Sample #: SB-161-4.5 QC

Sample ID : 08B19394 ‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Mercury	mg/kg dry wt	0.106	06/03/08	MTM	0.013			

Field Sample #: SB-162-3

Sample ID : 08B19395 ‡Sampled : 5/28/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Mercury	mg/kg dry wt	0.085	06/03/08	MTM	0.017			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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

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

6/9/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 5/30/2008
Field Sample # : SB-163-6
Sample ID : 08B19396
Sample Matrix: SOIL

LIMS-BAT #: LIMT-16390
Job Number: 115058

‡Sampled : 5/28/2008
Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.188	06/03/08	MTM	0.022		

Field Sample # : ██████████

Sample ID : 08B19397
Sample Matrix: SOIL

‡Sampled : 5/29/2008
Not Specified

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Mercury	mg/kg dry wt	0.095	06/03/08	MTM	0.018		

Analytical Method:
SW846 3050/7471

SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

