



DATA SUMMARY REPORT

Transect "A" New Bedford, Massachusetts

Prepared for:

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

Prepared by:

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

November 2008

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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 August 2008 along the City of New Bedford (City) Right-of-Way (ROW) along Hathaway Boulevard and Durfee 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 August 2008 data collected by TRC supplement data collected previously on behalf of the City by the BETA Group, Incorporated of Norwood, Massachusetts (see BETA, 2006b) and by TRC in 2007 and 2008 in the surrounding area (TRC 2008a,b,c, and d).

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

Summary of Investigation Activities -- Transect A -- August 2008					
Location	Soil Borings	Number of Soil Samples Submitted for Laboratory Analysis	Analyses		
			PCBs¹	PAHs²	MCP Metals/Hg³
Transect A	8	17	17	4	6

Notes:

¹Polychlorinated biphenyls (PCBs) as Aroclors by SW-846 Method 8082.

²Polyaromatic hydrocarbons (PAHs) by SW-846 Method 8270C.

³Massachusetts 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 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 above, TRC advanced four (4) soil borings along Transect A on August 20, 2008. The four soil borings were identified as SB-341, SB-342, SB-343, and SB-344 and all were advanced using a Model 5400 truck mounted rig. On August 21, 2008 TRC advanced four (4) soil borings along Transect A. The four soil borings were identified as SB-345, SB-346, SB-347, and SB-348 and all were advanced using a Model 6600 DT truck mounted Rig. 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-341	8/20/2008	12	3, 8, (11)	Model 5400 Truck Rig
SB-342	8/20/2008	10.5	4, 6, 10	Model 5400 Truck Rig

Soil Boring	Date Advanced	Total Depth (ft bgs)	Depths Submitted for Laboratory Analysis* (ft bgs)	Drill Rig
SB-343	8/20/2008	11	4, 7, (10)	Model 5400 Truck Rig
SB-344	8/20/2008	12	4, 8, (11)	Model 5400 Truck Rig
SB-345	8/21/2008	15	5, 9, (14)	Model 6600 DT Truck Rig
SB-346	8/21/2008	13	5, 10, (13)	Model 6600 DT Truck Rig
SB-347	8/21/2008	15	5, 9, (14)	Model 6600 DT Truck Rig
SB-348	8/21/2008	14	3, 5, (12)	Model 6600 DT 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

ft-feet

3.0 SUMMARY OF ANALYTICAL RESULTS

The results of laboratory analysis of soil samples collected from Transect A in August 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 A but at concentrations below applicable regulatory criteria. 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 August 2008 in accordance with relevant EPA guidance to Tier II.

Metals and PAH soil analyses were evaluated for usability consistent with the 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.
- 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 – Corner Sports Store 319 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. February 2008.
- TRC, 2008c. *Data Summary Report – 284 Durfee Street, New Bedford, Massachusetts.* Prepared for: City of New Bedford. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. February 2008.
- TRC, 2008d. *Data Summary Report – 288 Durfee Street, New Bedford, Massachusetts.* Prepared for: City of New Bedford. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. June 2008

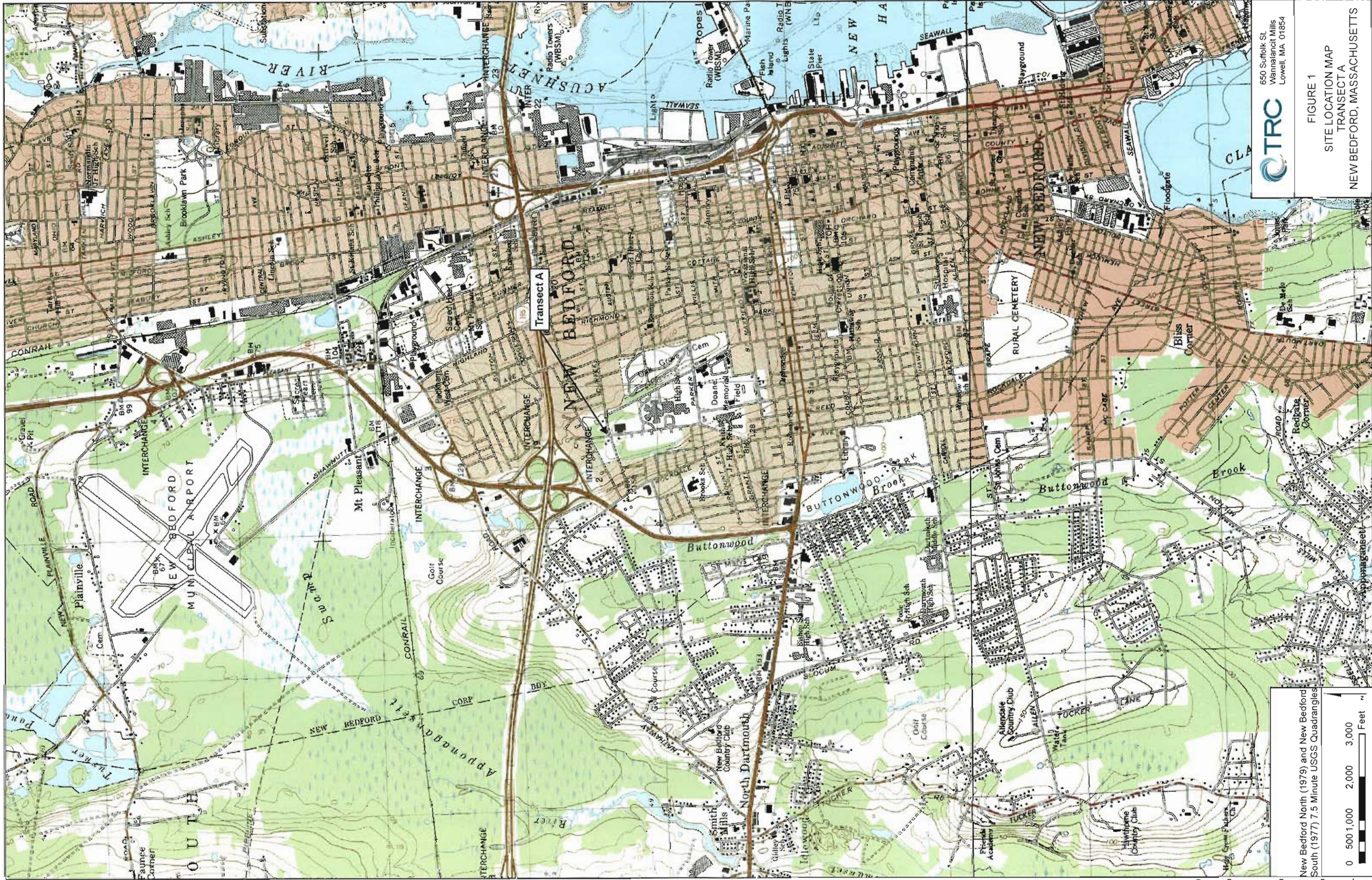
TABLES

Summary of Analytical Results for Soil Samples
Transect "A"
New Bedford, Massachusetts

Analysis	Analyte	Sample Location: Sample Depth (ft.): Sample Date:						SB-341		SB-342			SB-343		SB-344		SB-345		SB-346		SB-347		SB-348		
		S-1/GW-2		S-2/GW-2		RC S-1**		3	8	4	6	10	4	7	4	8	5	9	5	10	5	9	3	5	
		8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/20/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008	8/21/2008
PAHs (mg/kg)																									
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Acenaphthylene	600	10	600	10	1	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Benzo(a)anthracene	7	7	40	40	7	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.229	0.184 U	NA	NA	NA	NA		
	Benzo(a)pyrene	2	2	4	4	2	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.195	0.184 U	NA	NA	NA	NA		
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.207	0.184 U	NA	NA	NA	NA		
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Chrysene	70	70	400	400	70	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.250	0.184 U	NA	NA	NA	NA		
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.458	0.184 U	NA	NA	NA	NA		
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Naphthalene	40	500	40	1,000	4	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.194 U	0.184 U	NA	NA	NA	NA		
	Phenanthrene	500	500	1,000	1,000	10	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.530	0.184 U	NA	NA	NA	NA		
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	0.174 U	0.189 U	NA	NA	NA	NA	NA	NA	NA	NA	0.431	0.184 U	NA	NA	NA	NA		
PCBs (mg/kg)																									
	Aroclor 1016	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0558 U	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Aroclor 1221	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0558 U	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Aroclor 1232	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0558 U	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Aroclor 1242	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0558 U	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Aroclor 1248	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0558 U	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Aroclor 1254	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0877 J	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Aroclor 1260	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0877 J	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
	Total PCBs	2	2	3	3	2	1	0.0505 U	0.0535 U	0.0527 U	0.0559 U	0.0520 U	0.0500 U	0.0515 U	0.0520 U	0.0522 U	0.0877 J	0.0560 U	0.0566 U	0.0515 U	0.0519 U	0.0543 U	0.0529 U	0.0519 U	
Metals (mg/kg)																									
	Antimony	20	20	30	30	20	N/A	4.16 U	4.53 U	NA	NA	NA	4.17 U	4.23 U	NA	NA	NA	NA	4.64 U	4.41 U	NA	NA	NA	NA	
	Arsenic	20	20	20	20	20	N/A	2.88	2.83 U	NA	NA	NA	2.61 U	2.64 U	NA	NA	NA	4.11	3.31	NA	NA	NA	NA	NA	
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	25.9	20.6	NA	NA	NA	7.40	7.15	NA	NA	NA	24.4	40.9	NA	NA	NA	NA	NA	
	Beryllium	100	100	200	200	100	N/A	0.26 U	0.29 U	NA	NA	NA	0.27 U	0.27 U	NA	NA	NA	0.29 U	0.28 U	NA	NA	NA	NA	NA	
	Cadmium	2	2	30	30	2	N/A	0.26 U	0.29 U	NA	NA	NA	0.27 U	0.27 U	NA	NA	NA	0.29 U	0.28 U	NA	NA	NA	NA	NA	
	Chromium	30	30	200	200	30	N/A	5.97	11.5	NA	NA	NA	3.84	1.82	NA	NA	NA	13.5	10.2	NA	NA	NA	NA	NA	
	Lead	300	300	300	300	300	N/A	20.1	2.64	NA	NA	NA	5.39	4.00	NA	NA	NA	21.2	3.03	NA	NA	NA	NA	NA	
	Nickel	20	20	700	700	20	N/A	4.11	6.58	NA	NA	NA	3.42	2.31	NA	NA	NA	6.27	8.55	NA	NA	NA	NA	NA	
	Selenium	400	400	800	800	400	N/A	5.20 U	5.66 U	NA	NA	NA	5.21 U	5.28 U	NA	NA	NA	5.80 U	5.51 U	NA	NA	NA	NA	NA	
	Silver	100	100	200	200	100	N/A	2.11	2.40	NA	NA	NA	1.25	0.83	NA	NA	NA	2.55	2.82	NA	NA	NA	NA	NA	
	Thallium	8	8	60	60	8	N/A	3.12 U	3.40 U	NA	NA	NA	3.13 U	3.17 U	NA	NA	NA	3.48 U	3.31 U	NA	NA	NA	NA	NA	
	Vanadium	600	600	1,000	1,000	600	N/A	13.8	18.3	NA	NA	NA	6.06	5.28 U	NA	NA	NA	16.6	16.7	NA	NA	NA	NA	NA	
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	26.7	18.9	NA	NA	NA	11.2	19.3	NA	NA	NA	26.6	17.1	NA	NA	NA	NA	NA	
	Mercury	20	20	30	30	20	N/A	0.084	0.013 U	NA	NA	NA	0.014 U	0.018 U	NA	NA	NA	0.043	0.016 U	NA	NA	NA	NA	NA	

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed analyte.
N/A - Not applicable.
U - Compound was not detected at specified quantitation limit.
UJ - Estimated nondetect.
J - Estimated value.
Values in **Bold** indicate the compound was detected.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
** - For reference purposes only.

FIGURES

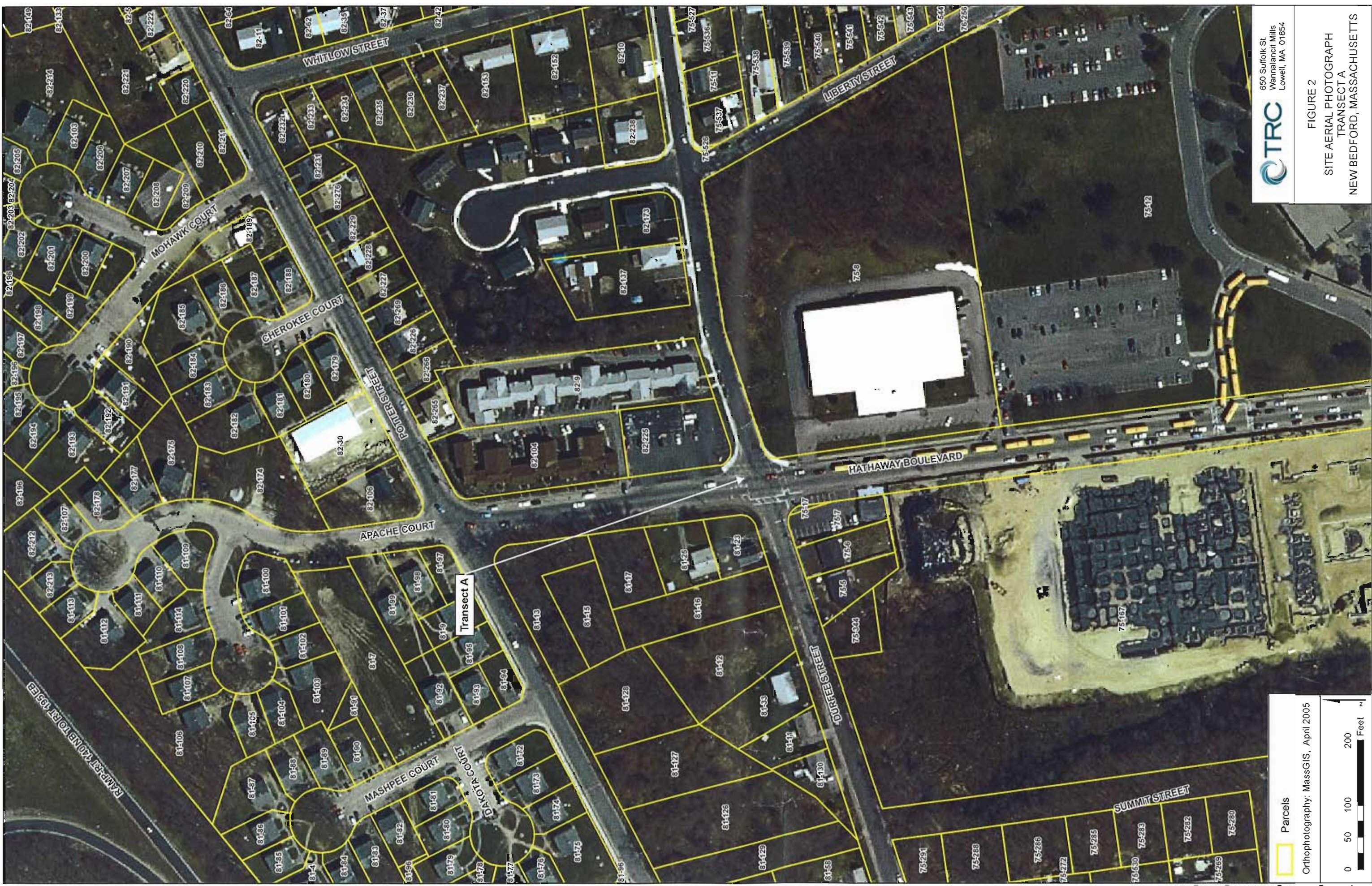


650 Suffolk St
Wanwanant Mills
Lowell, MA 01854

FIGURE 1
SITE LOCATION MAP
TRANSECT A
NEW BEDFORD, MASSACHUSETTS

New Bedford North (1979) and New Bedford South (1977) 7.5 Minute USGS Quadrangles

0 500 1,000 2,000 3,000 Feet

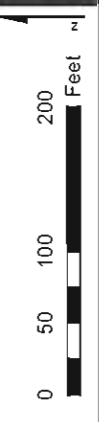


650 Suffolk St
Wannalancit Mills
Lowell, MA 01854

FIGURE 2
SITE AERIAL PHOTOGRAPH
TRANSECT A
NEW BEDFORD, MASSACHUSETTS

Parcels

Orthophotography: MassGIS, April 2005





SB-344	08/20/08	4.00	8.00
Constituent			
BAP	NA	NA	
Total PCBs	0.052U	0.0522U	
Arsenic	NA	NA	
Cadmium	NA	NA	
Chromium	NA	NA	
Lead	NA	NA	
Nickel	NA	NA	

SB-343	08/20/08	4.00	7.00
Constituent			
BAP	NA	NA	
Total PCBs	0.05U	0.0515U	
Arsenic	2.61U	2.64U	
Cadmium	0.27U	0.27U	
Chromium	3.84	1.82	
Lead	5.39	4	
Nickel	3.42	2.31	

SB-342	08/20/08	4.00	6.00	10.00
Constituent				
BAP	NA	NA	NA	
Total PCBs	0.0527U	0.0559U	0.052U	
Arsenic	NA	NA	NA	
Cadmium	NA	NA	NA	
Chromium	NA	NA	NA	
Lead	NA	NA	NA	
Nickel	NA	NA	NA	

SB-341	08/20/08	3.00	8.00
Constituent			
BAP	0.174U	0.189U	
Total PCBs	0.0505U	0.0535U	
Arsenic	2.88	2.83U	
Cadmium	0.26U	0.29U	
Chromium	5.97	11.5	
Lead	20.1	2.64	
Nickel	4.11	6.58	

SB-345	08/21/08	5.00	9.00
Constituent			
BAP	NA	NA	
Total PCBs	0.0877U	0.056U	
Arsenic	NA	NA	
Cadmium	NA	NA	
Chromium	NA	NA	
Lead	NA	NA	
Nickel	NA	NA	

SB-346	08/21/08	5.00	10.00
Constituent			
BAP	0.195	0.184U	
Total PCBs	0.0566U	0.0515U	
Arsenic	4.11	3.31	
Cadmium	0.29U	0.28U	
Chromium	13.5	10.2	
Lead	21.2	3.03	
Nickel	6.27	8.55	

SB-347	08/21/08	5.00	9.00
Constituent			
BAP	NA	NA	
Total PCBs	0.0519U	0.0543U	
Arsenic	NA	NA	
Cadmium	NA	NA	
Chromium	NA	NA	
Lead	NA	NA	
Nickel	NA	NA	

SB-348	08/21/08	3.00	5.00
Constituent			
BAP	NA	NA	
Total PCBs	0.0529U	0.0519U	
Arsenic	NA	NA	
Cadmium	NA	NA	
Chromium	NA	NA	
Lead	NA	NA	
Nickel	NA	NA	

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
Names						
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

RCS-1 is listed for reference purpose only.

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

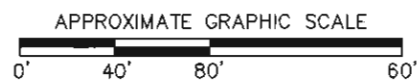
● SOIL BORING

SAMPLE LOCATION
 SAMPLE DATE

CONTAMINANT NAME
 /ABBREVIATION

SB-341	08/20/08	3.00	8.00
Constituent			
BAP	0.174U	0.189U	
Total PCBs	0.0505U	0.0535U	
Arsenic	2.88	2.83U	
Cadmium	0.26U	0.29U	
Chromium	5.97	11.5	
Lead	20.1	2.64	
Nickel	4.11	6.58	

SAMPLE DEPTH IN FEET



TRANSECT A
 NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS
 SUMMARY MAP

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

DRAWN BY: JCM
 CHECKED BY: DMS


DATE:
 OCT 2008

FIGURE
 3

APPENDIX A
LIMITATIONS




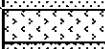




1. TRC's study was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and TRC observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. 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 (Transect A)	Boring No. SB-341	Sheet 1 of 1
	Soil Gas Screening Number and AOC Location: Northwest corner of intersection of Durfee St. and Hathaway Blvd.		Well No. NA	
			TRC Geologist J. Saunders	

Geoprobe Contractor/Foreman NEG / Keith Precious and Bill Meadows	Geoprobe Make/Model 5400 Truck Rig	Sampling Description Continuous
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Sampler Description: 48" Macrocore	Sampling Method Direct Push	Coordinates X= Y=
Temporary piezometer or screen point: NA	Auger Diameter (if used):	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: 8/20/08 Date Finish: 8/20/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/36"	8" ASPHALT		OS = bkg HS = bkg
2			12" Tan fine SAND, trace medium to coarse sand and fine gravel, dry		
3			4" Pulverized ROCK debris		
4			12" Dark brown fine SAND, little silt, trace fine to coarse gravel (rock debris at 32"), very slightly moist, relatively dense, no odor, no staining		
5	S-2	48"/24"	4" Pulverized ROCK debris		OS = bkg HS = bkg
6			20" Tan brown fine SAND, little silt, trace medium to coarse sand, wet at approximately 7 feet, no odor, no staining		
7					
8					
9	S-3	48"/24"	24" Gray fine to coarse SAND, trace fine to coarse gravel, wet, no odor, no staining		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-341-3 @ 1315 for PCBs, Metals & PAHs 2) SB-341-8 @ 1320 for PCBs, Metals & PAHs 3) SB-341-11 @ 1325 for PCBs, Metals and PAHs (HOLD) 4) 5)
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 Geoprobe Soil Log	Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-342	Sheet 1 of 1
	Soil Gas Screening Number and AOC Location: East side of Hathaway Blvd, north of Durfee St. (front of "Costa's")		Well No. NA	
			TRC Geologist J. Saunders	

Geoprobe Contractor/Foreman NEG / Keith Precious and Bill Meadows	Geoprobe Make/Model 5400 Truck Rig	Sampling Description Continuous
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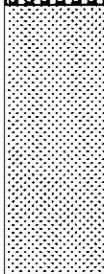
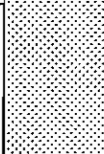

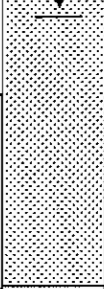
Sampler Description: 48" Macrocore	Sampling Method Direct Push	Coordinates X= Y=
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Temporary piezometer or screen point: NA	Auger Diameter (if used):	Ref. El.:
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Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA
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Screen Length/Type: NA	Water Table Depth: ~7 feet	Surface Elevation:
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Riser Length/Type: NA	Total Depth: 10.5 feet	Date Start: 8/20/08	Date Finish: 8/20/08
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Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/30"	6" ASPHALT		
2			24" Tan-brown fine SAND, little medium to coarse sand, trace rusty color at approximately 3.5 to 4 feet, dry, no odor, no staining		OS = bkg HS = bkg
3					
4					
5	S-2	48"/36"	18" Tan-brown fine to medium SAND, trace coarse sand and fine gravel		OS = bkg HS = bkg
6			6" Dark-brown SILT and fine SAND, possible trace coal, moist, no odor, no staining		
7			12" Orange-brown fine SAND, some silt, dense, wet, no odor, no staining		
8					
9	S-3	30"/20"	20" Gray-brown fine SAND, trace fine to medium gravel and silt, wet, dense, no odor, no staining		OS = bkg HS = bkg
10					
11			End of Boring 10.5 ft. (Refusal)		
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 e. gravel 75-19 mm eobble 300-75 mm boulder >300 mm	Notes/Sample details 1) SB-342-4 @ 1345 for PCBs 2) SB-342-6 @ 1350 for PCBs 3) SB-342-10 @ 1355 for PCBs 4) 5)
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Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-343	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: East side of Hathaway Blvd. approximately 100 feet north of SB-342		Well No. NA	TRC Geologist J. Saunders


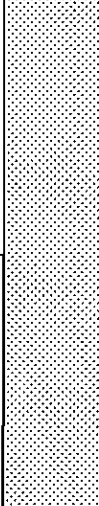

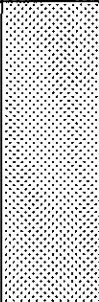
Geoprobe Contractor/Foreman NEG / Keith Precious and Bill Meadows	Geoprobe Make/Model 5400 Truck Rig	Sampling Description Continuous	
Sampler Description: 48" Macrocore	Sampling Method Direct Push	Coordinates X= Y=	
Temporary piezometer or screen point: NA	Auger Diameter (if used):	Ref. El.:	
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA	
Screen Length/Type: NA	Water Table Depth: ~7 feet	Surface Elevation:	
Riser Length/Type: NA	Total Depth: 11 feet	Date Start: 8/20/08	Date Finish: 8/20/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/36"	8" ASPHALT		OS = bkg HS = bkg
2			28" Tan fine to medium SAND, trace coarse sand and fine to coarse gravel, dry, no odor, no staining		
3					
4					
5	S-2	48"/30"	24" Tan fine to coarse SAND, trace fine gravel, moist to wet at approximately 7 feet, no odor, no staining		OS = bkg HS = bkg
6			6" Gray-brown fine to coarse SAND, trace fine to medium gravel, wet, dense, no odor, no staining		
7					
8					
9	S-3	36"/24"	24" Gray fine to coarse SAND, trace fine gravel, wet, no odor, no staining		OS = 0.4 ppm HS = bkg
10					
11					
12			End of Boring 11 ft. (Refusal)		
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-343-4 @ 1415 for PCBs & Metals 2) SB-343-7 @ 1420 for PCBs & Metals 3) SB-343-10 @ 1425 for PCBs & Metals (HOLD) 4) 5)
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 Geoprobe Soil Log	Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-344	Sheet 1 of 1
	Soil Gas Screening Number and AOC Location: East side of Hathaway Blvd. approximately 100 feet north of SB-343		Well No. NA	TRC Geologist J. Saunders
	Geoprobe Contractor/Foreman NEG / Keith Precious and Bill Meadows		Geoprobe Make/Model 5400 Truck Rig	Sampling Description Continuous

Sampler Description: 48" Macrocore	Sampling Method Direct Push	Coordinates X= Y=
Temporary piezometer or screen point: NA	Auger Diameter (if used):	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: 8/20/08 Date Finish: 8/20/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/24"	8" ASPHALT		OS = bkg HS = bkg
2			16" Tan fine to medium SAND, trace fine gravel, dry, no staining, no odor		OS = bkg HS = bkg
3					
4					
5	S-2	48"/24"	20" Tan-brown fine SAND, little medium to coarse sand, trace silt and fine gravel, moist, no odor, no staining		
6			4" Dark-brown SILT, mottling, moist to wet at approximately 8 feet, no odor, no staining		OS = bkg HS = bkg
7					
8					
9	S-3	48"/36"	36" Orange-brown fine to medium SAND, little coarse sand, trace fine to coarse gravel, wet, no odor, no staining		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-344-4 @ 1455 for PCBs 2) SB-344-8 @ 1500 for PCBs 3) SB-344-11 @ 1505 for PCBs (HOLD) 4) 5)
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 Geoprobe Soil Log	Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-345	Sheet 1 of 1
	Soil Gas Screening Number and AOC Location: Northeast corner of Hathaway Blvd. and Durfee Street		Well No. NA	
			TRC Geologist J. Saunders	

Geoprobe Contractor/Foreman NEG / Hayes Rembijas	Geoprobe Make/Model 6600 DT Truck Rig	Sampling Description Continuous
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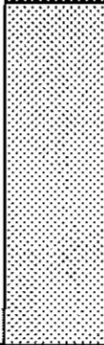

Sampler Description: 60" Macrocore	Sampling Method Direct Push	Coordinates X= Y=
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Temporary piezometer or screen point: NA	Auger Diameter (if used):	Ref. El.:
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Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA
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Screen Length/Type: NA	Water Table Depth: ~6 feet	Surface Elevation:
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Riser Length/Type: NA	Total Depth: 15 feet	Date Start: 8/21/08	Date Finish: 8/21/08
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Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	60"/24"	6" ASPHALT 18" Tan to brown fine SAND, trace medium to coarse sand and fine to coarse gravel, dry, no staining, no odor		OS = bkg HS = bkg
2					
3					
4					
5					
6	S-2	60"/30"	6" Dark-brown SILT and fine SAND, trace fine gravel, very moist, no odor, no staining 18" Gray fine to medium SAND, wet, no odor, no staining 6" Tan-gray-brown fine to medium SAND, trace coarse sand, wet, no odor, no staining		
7					
8					
9					
10	S-3	60"/30"	30" Tan fine to medium SAND, trace coarse sand and fine to coarse gravel, wet to saturated, no odor, no staining		
12.5					
15			End of Boring 15 ft.		

Grannlar 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-345-5 @ 1255 for PCBs 2) SB-345-9 @ 1230 for PCBs 3) SB-345-14 @ 1235 for PCBs (HOLD) 4) 5)
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Geoprobe Soil Log

Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-346	Sheet 1 of 1
Soil Gas Screening Number and AOC Location: South side of Durfee Street approximately 100 feet from Hathaway Blvd.		Well No. NA	TRC Geologist J. Saunders


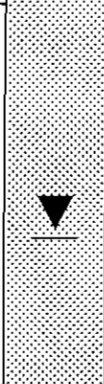

Geoprobe Contractor/Foreman NEG / Hayes Rembijas	Geoprobe Make/Model 6600 DT Truck Rig	Sampling Description Continuous
Sampler Description: 60" Macrocore	Sampling Method Direct Push	Coordinates X= Y=
Temporary piezometer or screen point: NA	Auger Diameter (if used):	Ref. El.:
Depth NA	Sampler Diameter: 2"	Riser Stick-up: NA
Screen Length/Type: NA	Water Table Depth: ~7 feet	Surface Elevation:
Riser Length/Type: NA	Total Depth: 13 feet	Date Start: 8/21/08 Date Finish: 8/21/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	60"/18"	4" ASPHALT		OS = bkg HS = bkg
2			4" Tan fine to medium SAND, dry, no staining, no odor		
3			2" Pulverized white ROCK		
4			4" Tan-brown fine SAND, slightly moist, no odor no staining		
5			1" Pulverized white ROCK		
6	S-2	60"/30"	30" Tan-orange-brown to gray-brown fine to medium SAND, trace to little coarse sand and fine to coarse gravel, trace rust coloration, dense, very moist to wet, no odor, no staining		OS = bkg HS = bkg
7					
8					
9					
10	S-3	60"/30"	30" Gray-tan-brown fine to medium SAND, trace to little coarse sand and fine to coarse gravel, dense, wet, no odor, no staining		OS = bkg HS = bkg
11					
12					
13			End of Boring 13 ft. (Refusal)		




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-346-5 @ 1300 for PCBs, Metals & PAHs (plus MS/MSD) 2) SB-346-10 @ 1310 for PCBs, Metals & PAHs 3) SB-346-13 @ 1315 for PCBs, Metals & PAHs (HOLD) 4) 5)
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 Geoprobe Soil Log	Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-347	Sheet 1 of 1
	Soil Gas Screening Number and AOC Location: South side of Durfee Street approximately 100 feet east of SB-346		Well No. NA	TRC Geologist J. Saunders

Geoprobe Contractor/Foreman NEG / Hayes Rembijas	Geoprobe Make/Model 6600 DT Truck Rig	Sampling Description Continuous
Sampler Description: 60" Macrocore	Sampling Method Direct Push	Coordinates X= Y=
Temporary piezometer or screen point: NA	Auger Diameter (if used):	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: 15 feet	Date Start: 8/21/08 Date Finish: 8/21/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	60"/36"	4" ASPHALT 32" Tan-brown fine SAND, trace to little medium to coarse sand, trace fine to coarse gravel / pulverized rock, slightly moist, no odor, no staining		OS = 0.1 ppm HS = bkg
2					
3					
4					
5	S-2	60"/36"	12" Tan-brown fine SAND, trace medium to coarse sand and fine gravel, slightly moist, no odor, no staining 24" Dark-tan-brown fine SAND, little medium to coarse sand, trace fine gravel, moist to wet, no odor, no staining		OS = bkg HS = bkg
6					
7					
8					
9					
10	S-3	60"/24"	24" Tan-brown fine to coarse SAND, trace fine gravel, dense, wet, no odor, no staining		OS = bkg HS = bkg
12.5					
15			End of Boring 15 ft. (Refusal)		

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-347-5 @ 1325 for PCBs 2) SB-347-9 @ 1330 for PCBs 3) SB-347-14 @ 1335 for PCBs (HOLD) 4) 5)
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 Geoprobe Soil Log	Client/Project City of New Bedford	Project No. 115058 (Transect A)	Boring No. SB-348 Well No. NA	Sheet 1 of 1	
	Soil Gas Screening Number and AOC Location: South side of Durfee Street approximately 100 feet east of SB-347		TRC Geologist J. Saunders		
Geoprobe Contractor/Foreman NEG / Hayes Rembijas		Geoprobe Make/Model 6600 DT Truck Rig	Sampling Description Continuous		
Sampler Description: 60" Macrocore		Sampling Method Direct Push	Coordinates X= Y=		
Temporary piezometer or screen point: NA		Auger Diameter (if used):	Ref. El.:		
Depth NA		Sampler Diameter: 2"	Riser Stick-tp: NA		
Screen Length/Type: NA		Water Table Depth: ~8 feet	Surface Elevation:		
Riser Length/Type: NA		Total Depth: 14 feet	Date Start: 8/21/08	Date Finish: 8/21/08	
Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	60"/42"	6" ASPHALT 36" Tan-brown fine SAND and SILT, trace medium to coarse sand and fine gravel, dry to moist, no odor, no staining		OS = bkg HS = bkg
2					OS = bkg HS = bkg
3					
4					
5					
6	S-2	60"/30"	24" Tan-brown fine SAND and SILT, trace fine to medium gravel, moist to wet, dense, no odor, no staining		
7			3" Gray pulverized ROCK		
8			3" Tan-brown fine SAND, trace medium to coarse sand, wet, no odor, no staining		
9					
10					
11	S-3	48"/24"	24" Tan fine to coarse SAND, trace fine to medium gravel, wet, no odor, no staining		
12					
13					
			End of Boring 14 ft. (Refusal)		
Grannlar 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-348-3 @ 1400 for PCBs 2) SB-348-5 @ 1405 for PCBs 3) SB-348-12 @ 1410 for PCBs (HOLD) 4) 5)	

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

8/29/2008
Page 28 of 41

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 8/22/2008
Field Sample #: **SB-341-03**

LIMS-BAT #: LIMIT-18960
Job Number: 115058

Sample ID : **08B33458** ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Acenaphthylene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Benzo(a)anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Benzo(a)pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Benzo(b)fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Benzo(k)fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Chrysene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Fluorene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
2-Methylnaphthalene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Naphthalene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Phenanthrene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.174			
Extraction Date 8270		8/26/2008	08/27/08	BGL				

Analytical Method:

SW846 8270

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

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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

8/29/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample #: SB-341-08

LIMS-BAT #: LIMT-18960
 Job Number: 115058

Sample ID : 08B33459 ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Acenaphthylene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Benzo(a)anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Benzo(a)pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Benzo(b)fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Benzo(k)fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Chrysene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Fluorene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
2-Methylnaphthalene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Naphthalene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Phenanthrene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.189		
Extraction Date 8270		8/26/2008	08/27/08	BGL			

Analytical Method:

SW846 8270

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

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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

8/29/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 8/22/2008
Field Sample #: SB-346-05 QC

LIMS-BAT #: LIMIT-18960
Job Number: 115058

Sample ID : 08B33467 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Acenaphthylene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Benzo(a)anthracene	mg/kg dry wt	0.229	08/27/08	BGL	0.194			
Benzo(a)pyrene	mg/kg dry wt	0.195	08/27/08	BGL	0.194			
Benzo(b)fluoranthene	mg/kg dry wt	0.207	08/27/08	BGL	0.194			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Benzo(k)fluoranthene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Chrysene	mg/kg dry wt	0.250	08/27/08	BGL	0.194			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Fluoranthene	mg/kg dry wt	0.458	08/27/08	BGL	0.194			
Fluorene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
2-Methylnaphthalene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Naphthalene	mg/kg dry wt	ND	08/27/08	BGL	0.194			
Phenanthrene	mg/kg dry wt	0.530	08/27/08	BGL	0.194			
Pyrene	mg/kg dry wt	0.431	08/27/08	BGL	0.194			
Extraction Date 8270		8/26/2008	08/27/08	BGL				

Analytical Method:

SW846 8270

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

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

8/29/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 8/22/2008
Field Sample #: SB-346-10

LIMS-BAT #: LIMT-18960
Job Number: 115058

Sample ID : 08B33468 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Acenaphthylene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Anthracene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Benzo(a)anthracene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Benzo(a)pyrene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Benzo(b)fluoranthene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Benzo(k)fluoranthene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Chrysene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Fluoranthene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Fluorene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
2-Methylnaphthalene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Naphthalene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Phenanthrene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Pyrene	mg/kg dry wt	ND	08/28/08	BGL	0.184		
Extraction Date 8270		8/26/2008	08/28/08	BGL			

Analytical Method:
SW846 8270

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

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-08</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-341-3</u>
Sample wt(Dry)/vol: <u>9.9036 g</u>	Lab Sample ID: <u>AL13239</u>
Percent Moisture: <u>4.70</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-244-9

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-9

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0505	U
1	11104-28-2	Aroclor 1221	0.0505	U
1	11141-16-5	Aroclor 1232	0.0505	U
1	53469-21-9	Aroclor 1242	0.0505	U
1	12672-29-6	Aroclor 1248	0.0505	U
1	11097-69-1	Aroclor 1254	0.0505	U
1	11096-82-5	Aroclor 1260	0.0505	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>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-09</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-341-8</u>
Sample wt(Dry)/vol: <u>9.3525 g</u>	Lab Sample ID: <u>AL13240</u>
Percent Moisture: <u>13.0</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-244-11

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-11

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0535	U
1	11104-28-2	Aroclor 1221	0.0535	U
1	11141-16-5	Aroclor 1232	0.0535	U
1	53469-21-9	Aroclor 1242	0.0535	U
1	12672-29-6	Aroclor 1248	0.0535	U
1	11097-69-1	Aroclor 1254	0.0535	U
1	11096-82-5	Aroclor 1260	0.0535	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>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-11</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-342-4</u>
Sample wt(Dry)/vol: <u>9.4848 g</u>	Lab Sample ID: <u>AL13242</u>
Percent Moisture: <u>6.60</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/29/2008</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-244-12

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-12

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0527	U
1	11104-28-2	Aroclor 1221	0.0527	U
1	11141-16-5	Aroclor 1232	0.0527	U
1	53469-21-9	Aroclor 1242	0.0527	U
1	12672-29-6	Aroclor 1248	0.0527	U
1	11097-69-1	Aroclor 1254	0.0527	U
1	11096-82-5	Aroclor 1260	0.0527	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>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-12</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-342-6</u>
Sample wt(Dry)/vol: <u>8.9448 g</u>	Lab Sample ID: <u>AL13243</u>
Percent Moisture: <u>15.4</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/29/2008</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-244-13

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-13

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>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-13</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-342-10</u>
Sample wt(Dry)/vol: <u>9.6102 g</u>	Lab Sample ID: <u>AL13244</u>
Percent Moisture: <u>12.3</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/29/2008</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-244-14

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-14

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0520	U
1	11104-28-2	Aroclor 1221	0.0520	U
1	11141-16-5	Aroclor 1232	0.0520	U
1	53469-21-9	Aroclor 1242	0.0520	U
1	12672-29-6	Aroclor 1248	0.0520	U
1	11097-69-1	Aroclor 1254	0.0520	U
1	11096-82-5	Aroclor 1260	0.0520	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>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-14</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-343-4</u>
Sample wt(Dry)/vol: <u>10.0397 g</u>	Lab Sample ID: <u>AL13245</u>
Percent Moisture: <u>4.90</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/29/2008</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-244-15

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-15

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

Laboratory Qualifiers:

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

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08080161</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080161-15</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-343-7</u>
Sample wt(Dry)/vol: <u>9.6993 g</u>	Lab Sample ID: <u>AL13246</u>
Percent Moisture: <u>5.40</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/29/2008</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-244-16

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-16

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0515	U
1	11104-28-2	Aroclor 1221	0.0515	U
1	11141-16-5	Aroclor 1232	0.0515	U
1	53469-21-9	Aroclor 1242	0.0515	U
1	12672-29-6	Aroclor 1248	0.0515	U
1	11097-69-1	Aroclor 1254	0.0515	U
1	11096-82-5	Aroclor 1260	0.0515	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>08080161</u>
ELAP ID No: <u>11078</u>	LRP ID: <u>08080161-17</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-344-4</u>
Sample wt(Dry)/vol: <u>9.6070 g</u>	Lab Sample ID: <u>AL13248</u>
Percent Moisture: <u>5.20</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/29/2008</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-244-17

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-204-17

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0520	U
1	11104-28-2	Aroclor 1221	0.0520	U
1	11141-16-5	Aroclor 1232	0.0520	U
1	53469-21-9	Aroclor 1242	0.0520	U
1	12672-29-6	Aroclor 1248	0.0520	U
1	11097-69-1	Aroclor 1254	0.0520	U
1	11096-82-5	Aroclor 1260	0.0520	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>08080161</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08080161-18</u>
Matrix:	<u>Soil</u>	Client ID:	<u>SB-344-8</u>
Sample wt(Dry)/vol:	<u>9.5714 g</u>	Lab Sample ID:	<u>AL13249</u>
Percent Moisture:	<u>9.00</u>	Date Received:	<u>08/22/2008</u>
Extraction:	<u>SOXHLET</u>	Date Extracted:	<u>08/25/2008</u>
Conc. Extract Volume:	<u>25000 µL</u>	Date Analyzed:	<u>08/29/2008</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, 0.25µm
 Injection Volume: 1.0 µL
 Lab File ID: GC20F-244-18

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20µm
 Injection Volume: 1.0 µL
 Lab File ID: GC20B-204-18

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0522	U
1	11104-28-2	Aroclor 1221	0.0522	U
1	11141-16-5	Aroclor 1232	0.0522	U
1	53469-21-9	Aroclor 1242	0.0522	U
1	12672-29-6	Aroclor 1248	0.0522	U
1	11097-69-1	Aroclor 1254	0.0522	U
1	11096-82-5	Aroclor 1260	0.0522	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>08080162</u>
ELAP ID No:	<u>11078</u>	LRF ID:	<u>08080162-09</u>
Matrix:	<u>Soil</u>	Client ID:	<u>SB-345-5</u>
Sample wt(Dry)/vol:	<u>8.9574 g</u>	Lab Sample ID:	<u>AL13260</u>
Percent Moisture:	<u>12.2</u>	Date Received:	<u>08/22/2008</u>
Extraction:	<u>SOXHLET</u>	Date Extracted:	<u>08/25/2008</u>
Conc. Extract Volume:	<u>25000 uL</u>	Date Analyzed:	<u>08/28/2008</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-243-46

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-46

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	Q
			UG/G	
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	0.0877	AF
1	11096-82-5	Aroclor 1260	0.0558	U

Laboratory Qualifiers:

AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
 U - Denotes analyte not detected at concentration greater than or equal to the Practical Quantitation Limit (PQL). PQLs are adjusted for sample weight/volume and dilution factors.

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PCB ANALYSIS DATA SHEET

Laboratory Name: <u>Northeast Analytical, Inc.</u>	SDG No: <u>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-10</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-345-9</u>
Sample wt(Dry)/vol: <u>8.9336 g</u>	Lab Sample ID: <u>AL13261</u>
Percent Moisture: <u>15.8</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-48

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-48

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0560	U
1	11104-28-2	Aroclor 1221	0.0560	U
1	11141-16-5	Aroclor 1232	0.0560	U
1	53469-21-9	Aroclor 1242	0.0560	U
1	12672-29-6	Aroclor 1248	0.0560	U
1	11097-69-1	Aroclor 1254	0.0560	U
1	11096-82-5	Aroclor 1260	0.0560	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>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-12</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-346-5</u>
Sample wt(Dry)/vol: <u>8.8279 g</u>	Lab Sample ID: <u>AL13263</u>
Percent Moisture: <u>14.0</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-49

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-49

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0566	U
1	11104-28-2	Aroclor 1221	0.0566	U
1	11141-16-5	Aroclor 1232	0.0566	U
1	53469-21-9	Aroclor 1242	0.0566	U
1	12672-29-6	Aroclor 1248	0.0566	U
1	11097-69-1	Aroclor 1254	0.0566	U
1	11096-82-5	Aroclor 1260	0.0566	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>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-13</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-346-10</u>
Sample wt(Dry)/vol: <u>9.7028 g</u>	Lab Sample ID: <u>AL13264</u>
Percent Moisture: <u>8.10</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-52

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-52

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0515	U
1	11104-28-2	Aroclor 1221	0.0515	U
1	11141-16-5	Aroclor 1232	0.0515	U
1	53469-21-9	Aroclor 1242	0.0515	U
1	12672-29-6	Aroclor 1248	0.0515	U
1	11097-69-1	Aroclor 1254	0.0515	U
1	11096-82-5	Aroclor 1260	0.0515	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>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-15</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-347-5</u>
Sample wt(Dry)/vol: <u>9.6369 g</u>	Lab Sample ID: <u>AL13266</u>
Percent Moisture: <u>6.80</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-53

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-53

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION	
			UG/G	Q
1	12674-11-2	Aroclor 1016	0.0519	U
1	11104-28-2	Aroclor 1221	0.0519	U
1	11141-16-5	Aroclor 1232	0.0519	U
1	53469-21-9	Aroclor 1242	0.0519	U
1	12672-29-6	Aroclor 1248	0.0519	U
1	11097-69-1	Aroclor 1254	0.0519	U
1	11096-82-5	Aroclor 1260	0.0519	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>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-16</u>
Matrix: <u>Soil</u>	Client ID: <u>SB347-9</u>
Sample wt(Dry)/vol: <u>9.2061 g</u>	Lab Sample ID: <u>AL13267</u>
Percent Moisture: <u>9.30</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-54

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m; ID: 0.25mm; 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-54

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>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-18</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-348-3</u>
Sample wt(Dry)/vol: <u>9.4607 g</u>	Lab Sample ID: <u>AL13269</u>
Percent Moisture: <u>10.3</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-55

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-55

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0529	U
1	11104-28-2	Aroclor 1221	0.0529	U
1	11141-16-5	Aroclor 1232	0.0529	U
1	53469-21-9	Aroclor 1242	0.0529	U
1	12672-29-6	Aroclor 1248	0.0529	U
1	11097-69-1	Aroclor 1254	0.0529	U
1	11096-82-5	Aroclor 1260	0.0529	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>08080162</u>
ELAP ID No: <u>11078</u>	LRF ID: <u>08080162-19</u>
Matrix: <u>Soil</u>	Client ID: <u>SB-348-5</u>
Sample wt(Dry)/vol: <u>9.6408 g</u>	Lab Sample ID: <u>AL13270</u>
Percent Moisture: <u>8.80</u>	Date Received: <u>08/22/2008</u>
Extraction: <u>SOXHLET</u>	Date Extracted: <u>08/25/2008</u>
Conc. Extract Volume: <u>25000 uL</u>	Date Analyzed: <u>08/28/2008</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-243-56

Column 2 Information:

GC Column: Phenomenex Capillary, MultiResidue-2, 30m, ID: 0.25mm, 0.20um
 Injection Volume: 1.0 uL
 Lab File ID: GC20B-203-56

Column Number	CAS NO	COMPOUND NAME	CONCENTRATION UG/G	Q
1	12674-11-2	Aroclor 1016	0.0519	U
1	11104-28-2	Aroclor 1221	0.0519	U
1	11141-16-5	Aroclor 1232	0.0519	U
1	53469-21-9	Aroclor 1242	0.0519	U
1	12672-29-6	Aroclor 1248	0.0519	U
1	11097-69-1	Aroclor 1254	0.0519	U
1	11096-82-5	Aroclor 1260	0.0519	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.



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

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 LOWELL, MA 01852

8/29/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample #: SB-341-03

LIMS-BAT #: LIMT-18960
 Job Number: 115058

Sample ID : 08B33458 ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	08/28/08	OP	4.16			
Arsenic	mg/kg dry wt	2.88	08/29/08	OP	2.60			
Barium	mg/kg dry wt	25.9	08/29/08	OP	5.20			
Beryllium	mg/kg dry wt	ND	08/29/08	OP	0.26			
Cadmium	mg/kg dry wt	ND	08/29/08	OP	0.26			
Chromium	mg/kg dry wt	5.97	08/29/08	OP	0.52			
Lead	mg/kg dry wt	20.1	08/29/08	OP	0.78			
Nickel	mg/kg dry wt	4.11	08/29/08	OP	0.52			
Selenium	mg/kg dry wt	ND	08/29/08	OP	5.20			
Silver	mg/kg dry wt	2.11	08/29/08	OP	0.52			
Thallium	mg/kg dry wt	ND	08/29/08	OP	3.12			
Vanadium	mg/kg dry wt	13.8	08/29/08	OP	5.20			
Zinc	mg/kg dry wt	26.7	08/29/08	OP	1.04			

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

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 LOWELL, MA 01852

8/29/2008
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample # : SB-341-08

LIMS-BAT #: LIMT-18960
 Job Number: 115058

Sample ID : 08B33459 ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	08/28/08	OP	4.53			
Arsenic	mg/kg dry wt	ND	08/29/08	OP	2.83			
Barium	mg/kg dry wt	20.6	08/29/08	OP	5.66			
Beryllium	mg/kg dry wt	ND	08/29/08	OP	0.29			
Cadmium	mg/kg dry wt	ND	08/29/08	OP	0.29			
Chromium	mg/kg dry wt	11.5	08/29/08	OP	0.57			
Lead	mg/kg dry wt	2.64	08/29/08	OP	0.85			
Nickel	mg/kg dry wt	6.58	08/29/08	OP	0.57			
Selenium	mg/kg dry wt	ND	08/29/08	OP	5.66			
Silver	mg/kg dry wt	2.40	08/29/08	OP	0.57			
Thallium	mg/kg dry wt	ND	08/29/08	OP	3.40			
Vanadium	mg/kg dry wt	18.3	08/29/08	OP	5.66			
Zinc	mg/kg dry wt	18.9	08/29/08	OP	1.14			

Analytical Method:

SW846 6010

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

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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

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

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



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 650 SUFFOLK STREET
 LOWELL, MA 01852

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample #: **SB-343-04**

LIMS-BAT #: L1MT-18960
 Job Number: 115058

Sample ID : 08B33460 ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	08/28/08	OP	4.17			
Arsenic	mg/kg dry wt	ND	08/29/08	OP	2.61			
Barium	mg/kg dry wt	7.40	08/29/08	OP	5.21			
Beryllium	mg/kg dry wt	ND	08/29/08	OP	0.27			
Cadmium	mg/kg dry wt	ND	08/29/08	OP	0.27			
Chromium	mg/kg dry wt	3.84	08/29/08	OP	0.53			
Lead	mg/kg dry wt	5.39	08/29/08	OP	0.79			
Nickel	mg/kg dry wt	3.42	08/29/08	OP	0.53			
Selenium	mg/kg dry wt	ND	08/29/08	OP	5.21			
Silver	mg/kg dry wt	1.25	08/29/08	OP	0.53			
Thallium	mg/kg dry wt	ND	08/29/08	OP	3.13			
Vanadium	mg/kg dry wt	6.06	08/29/08	OP	5.21			
Zinc	mg/kg dry wt	11.2	08/29/08	OP	1.05			

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

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample #: SB-343-07

LIMS-BAT #: LIMIT-18960
 Job Number: 115058

Sample ID : 08B33461 ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	08/28/08	OP	4.23			
Arsenic	mg/kg dry wt	ND	08/29/08	OP	2.64			
Barium	mg/kg dry wt	7.15	08/29/08	OP	5.28			
Beryllium	mg/kg dry wt	ND	08/29/08	OP	0.27			
Cadmium	mg/kg dry wt	ND	08/29/08	OP	0.27			
Chromium	mg/kg dry wt	1.82	08/29/08	OP	0.53			
Lead	mg/kg dry wt	4.00	08/29/08	OP	0.80			
Nickel	mg/kg dry wt	2.31	08/29/08	OP	0.53			
Selenium	mg/kg dry wt	ND	08/29/08	OP	5.28			
Silver	mg/kg dry wt	0.83	08/29/08	OP	0.53			
Thallium	mg/kg dry wt	ND	08/29/08	OP	3.17			
Vanadium	mg/kg dry wt	ND	08/29/08	OP	5.28			
Zinc	mg/kg dry wt	19.3	08/29/08	OP	1.06			

Analytical Method:
 SW846 6010

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

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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: 8/22/2008
 Field Sample #: SB-346-05 QC

LIMS-BAT #: LIMIT-18960
 Job Number: 115058

Sample ID : 08B33467 ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	08/28/08	OP	4.64			
Arsenic	mg/kg dry wt	4.11	08/29/08	OP	2.90			
Barium	mg/kg dry wt	24.4	08/29/08	OP	5.80			
Beryllium	mg/kg dry wt	ND	08/29/08	OP	0.29			
Cadmium	mg/kg dry wt	ND	08/29/08	OP	0.29			
Chromium	mg/kg dry wt	13.5	08/29/08	OP	0.58			
Lead	mg/kg dry wt	21.2	08/29/08	OP	0.87			
Nickel	mg/kg dry wt	6.27	08/29/08	OP	0.58			
Selenium	mg/kg dry wt	ND	08/29/08	OP	5.80			
Silver	mg/kg dry wt	2.55	08/29/08	OP	0.58			
Thallium	mg/kg dry wt	ND	08/29/08	OP	3.48			
Vanadium	mg/kg dry wt	16.6	08/29/08	OP	5.80			
Zinc	mg/kg dry wt	26.6	08/29/08	OP	1.16			

Analytical Method:

SW846 6010

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

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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: 8/22/2008
Field Sample #: SB-346-10

LIMS-BAT #: LIMT-18960
Job Number: 115058

Sample ID : 08B33468 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	08/28/08	OP	4.41			
Arsenic	mg/kg dry wt	3.31	08/29/08	OP	2.76			
Barium	mg/kg dry wt	40.9	08/29/08	OP	5.51			
Beryllium	mg/kg dry wt	ND	08/29/08	OP	0.28			
Cadmium	mg/kg dry wt	ND	08/29/08	OP	0.28			
Chromium	mg/kg dry wt	10.2	08/29/08	OP	0.56			
Lead	mg/kg dry wt	3.03	08/29/08	OP	0.83			
Nickel	mg/kg dry wt	8.55	08/29/08	OP	0.56			
Selenium	mg/kg dry wt	ND	08/29/08	OP	5.51			
Silver	mg/kg dry wt	2.82	08/29/08	OP	0.56			
Thallium	mg/kg dry wt	ND	08/29/08	OP	3.31			
Vanadium	mg/kg dry wt	16.7	08/29/08	OP	5.51			
Zinc	mg/kg dry wt	17.1	08/29/08	OP	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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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: 8/22/2008
 Field Sample #: SB-338-02

LIMS-BAT #: LIMIT-18960
 Job Number: 115058

Sample ID : 08B33452 ‡Sampled : 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.017			

Field Sample #: SB-338-03.5

Sample ID : 08B33453 ‡Sampled : 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.012			

Field Sample #: SB-339-02

Sample ID : 08B33454 ‡Sampled : 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.383	08/28/08	KM	0.016			

Field Sample #: SB-339-04

Sample ID : 08B33455 ‡Sampled : 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.011			

Field Sample #: SB-340-02

Sample ID : 08B33456 ‡Sampled : 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.011			

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



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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 8/22/2008
Field Sample #: SB-340-04

LIMS-BAT #: LIMIT-18960
Job Number: 115058

Sample ID : 08B33457 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.011			

Field Sample #: SB-341-03

Sample ID : 08B33458 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.084	08/28/08	KM	0.012			

Field Sample #: SB-341-08

Sample ID : 08B33459 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.013			

Field Sample #: SB-343-04

Sample ID : 08B33460 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.014			

Field Sample #: SB-343-07

Sample ID : 08B33461 ‡Sampled : 8/20/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.018			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample #: SB-346-05 QC

LIMS-BAT #: LIMIT-18960
 Job Number: 115058

Sample ID: 08B33467 ‡Sampled: 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.043	08/28/08	KM	0.020			

Field Sample #: SB-346-10
 Sample ID: 08B33468 ‡Sampled: 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.016			

Field Sample #: SB-349-08
 Sample ID: 08B33462 ‡Sampled: 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.098	08/28/08	KM	0.024			

Field Sample #: SB-349-11
 Sample ID: 08B33463 ‡Sampled: 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.304	08/28/08	KM	0.034			

Field Sample #: SB-349-D
 Sample ID: 08B33464 ‡Sampled: 8/20/2008
 Not Specified
 Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/kg dry wt	0.140	08/28/08	KM	0.014			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
 Date Received: 8/22/2008
 Field Sample #: **SB-350-05**

LIMS-BAT #: LIMIT-18960
 Job Number: 115058

Sample ID : **08B33465** ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.356	08/28/08	KM	0.018		

Field Sample #: **SB-350-08**

Sample ID : **08B33466** ‡Sampled : 8/20/2008
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	ND	08/28/08	KM	0.011		

Analytical Method:

SW846 3050/7471

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

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